

1	2	3	4	5
ГЕРМАНИЯ				
	Германия З. № 102004027717-A1 МПК B05D-005/08; C23C-004/02; F16C-029/00; F16C-033/12; F24C-015/16	Заявитель ACCURIDE INT GMBH З. № DE102004027717-A1 Пр-т 07 Июнь 2004 Опубл. 22 Декабрь 2005 Аналог: EP 1607685	1.	PROCESS TO PRODUCE COATED RETRACTABLE RAILS FOR OVENS IN WHICH STEEL PARTS ARE COATED WITH "PTFE" AND TEMPERATURE TREATED. The retractable removal shelf system for cooked food in ovens has retractable rails made of structural or refined steel and with at least in part are coated with a PTFE (Polytetrafluorethylene) based coated. A base coat is applied at least to the parts made of structural steel. These parts and those made of refined steel are given a temperature treatment of over 300degrees for at least 10 min.The surface keeps a roughness of at least 2nm. One or more coats of PTFE solution are applied. The treated parts are heated at a temperature of 300degrees to 450degrees C. USE - The rails are used to put food in and take it out of all types of oven, such as roasting ovens, microwave ovens and combined oven systems. ADVANTAGE - The PTFE coating has high adherence and is scratch resistant.
	Германия З. № 10347641-A1 МПК B29C-047/02; B29K-027:18; H01B-019/00	Заявитель NEXANS З. № DE1047641 Пр-т 14 Октябрь 2003 Опубл. 19 Май 2005	2.	EXTRUDING POLYTETRAFLUOROETHYLENE AROUND AN ELONGATED CARRIER, E.G. WIRE, COMPRISES CONTINUOUS EXTRUSION THROUGH AN ANNULAR GAP AND DEPOSITION UNDER PRESSURE ONTO THE CARRIER NOVELTY - Extruding polytetrafluoroethylene (PTFE) to deposit a PTFE layer around an elongated carrier comprises using an extruder (1) with a through-hole (5) surrounded by a conical plug (6) with a profiled outer surface forming an air gap (7) between the plug and the conical cavity of an outer cover (8). The PTFE is continuously extruded through the air gap and deposited under pressure onto the carrier as it is drawn through the through-hole. USE - The process is useful for insulating electrical conductors and for sheathing the transmission elements of electrical or optical cables (claimed).
	ГЕРМАНИЯ З. № 10232379 МПК C 08 L 27/12	Заявитель Naarmann Herbert, Kruger Franz Josef, Stolzenberg Michael; GAIA Akkumulatorenwerke GmbH. З. № 10232379.8 Пр-т 17.07.2002 Опубл. 05.02.2004	3.	Электропроводящий клей. Elektrisch leitfähiger Haftvermittler Адгезив, используемый при получении многослойных электродов и батарей, предпочтительно литиевых, отличается содержанием водн. дисперсии фторполимера и аминной или аммониевой соли перфторкарбоновой кислоты.
	ГЕРМАНИЯ З. № 10023441 МПК C 09 D 7/12	Заявитель Krendlinger Ernst, Heinrichs Franz-Leo, Nowicki Dieter; CLARIANT GmbH. З. № 10023441.0	4.	Восковые смеси для окрасочных систем. Verwendung von Wachsmischungen für Lacke Окрасочные системы содержат 0,01-10% (из расчета на сухой остаток) воскового компонента в виде смеси из гомо- или СПЛ C[12-18] _а-олефина, полученного с помощью металлоцеенового катализа (полиэтилен или СПЛ этилена и

1	2	3	4	5
		Пр-т 12.05.2000 Опубл. 29.11.2001		пропилена) с вязкостью расплава при 140 ° 10-10000 мПа·с и пл. 0,87-1,03 г/см ³ и воска из группы ПЭ, ПП, парафинов, кристаллич. и микрокристаллич. восков, окисленных восков, ПТФЭ и т. п.
	ГЕРМАНИЯ З. № 19941410 МПК С 09 D 127/12	Заявитель Stecher Friedhelm, Stecher Christoph; STE-INGENIEURBURO STECHER. З. № 19941410.6 Пр-т 31.08.1999 Опубл. 08.03.2001	5.	Композиции для нанесения герметизирующих покрытий. Beschichtung und diese umfassende Dichtung Композиции содержат термопластичный фторполимер [ПТФЭ, СПЛ тетрафторэтилена и гексафторэтилена, СПЛ перфторалкоксилон], гидролитически- и маслостойкий термопластичный поликонденсационный полимер с коэф. трения при 40 ° J0,7, с формоустойчивостью при t-ре 140 ° и большей твердостью по сравнению с фторполимером (полисульфон, полифениленсульфид, полифенилэфирсульфон, полиарилэфиркетон, полиэфирэфиркетон) и наполнитель (графит, углеродное и стекловолокно).
	ГЕРМАНИЯ З. № 10346118-A1 МПК H01B-019/00	Заявитель DEGUSSA AG З. № DE1046118 Пр-т 04 Октябрь 2003 Опубл. 22 Сентябрь 2005 Аналоги EP1520890-A1 JP2005113141-A CA2483328-A1 KR2005033446-A EP1520890-B1	6.	UV-CURABLE COATING POWDER FOR USE E.G. ON METAL, WOOD OR PLASTICS, CONTAINS URETHANE (METH)ACRYLATE BINDER, MICRONISED WAX, E.G. A MIXTURE OF POLYETHYLENE AND POLYTETRAFLUOROETHYLENE WAX, AND OTHER ADDITIVES Micronised wax (II) is included in amounts of 1-20 wt% in a radiation-curable coating powder composition (CPC) containing (I) 30-98.5 wt% binder consisting of urethane (meth)acrylate(s) with a melting point of 40- 130degreesC and (III) 0.5-50 wt% other auxiliary substances and additives. USE - For the production of coating powders which can be hardened with actinic radiation to give light-stable, weather-resistant coatings with good adhesion, low gloss and a structured surface (claimed). Suitable substrates include metals, wood, timber products, plastics, glass and paper. ADVANTAGE - Enables the production of weather-resistant coatings with good adhesion, low gloss and a structured surface
	Германия з. № 3939105-A МПК B29C-047/94	Заявитель HINTERKEUSER W З. № DE3939105 Пр-т 25 Ноябрь 1989 Опубл. 29 Май 1991	7.	EXTRUSION DIE OUTLET FOR IMPROVED SURFACE QUALITY - HAS PARALLEL SECTION FOLLOWED BY PTFE COATED DIVERGING OUTLET SURFACES WITH END RADIUS. An extrusion die for thermoplastic strip has a conical enlargement of the outlet from the die lips. The sudden volatile enlargement prevents polymer melt particles from adhering to the lip surfaces. Both upper and lower lips can be adjusted independently and have a radius at the outlet edges. The lip surfaces particularly on the outlet side consist of a polymer repellent material such as PTFE. USE/ADVANTAGE - Prevents thermoplastic particles clinging to the die outlet surfaces during extrusion of wide strip, e.g. films thus improving prod. surface quality.
	Германия	Заявитель	8.	PREPARATION AND COATING OF REACTIVE TWO-COMPONENT MIXTURE,

1	2	3	4	5
	п. № 10035926-C2 МПК B29B-009/08	POLYMER CHEM CO POLYMER CHEM CO BV З. № DE1035926-A1 Пр-т 21 Июль 2000 Опубл. 18 Сентябрь 2003 Аналоги EP1174191-A1		USED FOR INTERNAL COATING OF PIPE WALLS TO CARRY DIVERSE FLOWING MEDIA, EMPLOYS SPINNING CUP FOR MIXING AND DISTRIBUTION. NOVELTY - A method of preparing and coating a reactive two-component mixture (I), comprises: (A) mixing the separately-supplied components in a cup-shaped, rotary head (12); (B) ejected the mixture via an axial surface, from which (I) is spun out. USE - To coat pipes internally with a two-component reactive mixture. Pipes are used to carry gas, powders, granules, fluids and/or mixed products. ADVANTAGE - Control of the conditions of mixing and application at the spray head, in conjunction with the design of the rotary cup itself, assures that no insufficiently-mixed material is applied. Handling is assisted, speed of working is increased. Blockage and sticking are avoided. High speed rotation and adequate residence time, contribute to good mixing and distribution.
	Германия п. № 19610054-C2 МПК A63C-005/044;	Заявитель LINDE AG З. № DE1010054 Пр-т 14 Март 1996 Опубл. 29 Январь 1998	9.	DURABLE FLUORO-POLYMER SLIDING SURFACE FOR SPORTS EQUIPMENT, ESPECIALLY METAL SKIS - IS APPLIED BY SPRAYING AND OPTIONALLY ALSO CONTAINING METALS, ALLOYS, OXIDES, CARBIDES OR CERAMICS. Sports equipment, especially for use on ice or snow, has a sliding surface which is a coating at least partly of a fluoro-polymer. Also claimed are skis (especially of metal) which have a coating of PTFE, ethylene-tetrafluoroethylene (ETFE), perfluoroalkoxide (PFA) and/or fluorinated ethylene-propylene (FEP). Application of the coating is preferably by a heat spray process, especially autogenous or high-speed flame spraying, or arc-, plasma-, detonation- or laser-spraying. ADVANTAGE - Long-life surfaces resistant to abrasion etc are provided. EA (DE19610054-C2) Sports equipment, especially for use on ice or snow, has a sliding surface which is a coating at least partly of a fluoro-polymer. Also claimed are skis (especially of metal) which have a coating of PTFE, ethylene-tetrafluoroethylene (ETFE), perfluoroalkoxide (PFA) and/or fluorinated ethylene-propylene (FEP). Application of the coating is preferably by a heat spray process, especially autogenous or high-speed flame spraying, or arc-, plasma-, detonation- or laser-spraying.
	Германия з. № 19541590-A1 МПК	Заявитель HUELS AG З. № DE1041590	10.	COATED MOULD FOR PRODUCTION OF FOAMED LATEX MOULDINGS - HAS LOW-ENERGY INSIDE SURFACE OBTAINED BY APPLYING PREPARATION OF METAL ALKOXIDE, SILANE OR PTFE, ETC..

1	2	3	4	5
	A63C-005/044	Пр-т 08 Ноябрь 1995 Оpubл. 15 Май 1997 Аналоги EP773093-A1 CZ9603273-A3		<p>A coated mould for the production of foamed latex mouldings, having a low-energy inside surface with a surface tension of less than 0.025 N/m.</p> <p>Also claimed is the production of such moulds by coating a mould with a low-energy surface as above.</p> <p>The use of (i) a preparation containing alkoxides of boron and/or aluminium and/or tin and/or titanium and/or zirconium, and/or organofunctional silanes and fluoro-organosilanes and/or hydrolysis and/or condensation products thereof, or (ii) 'Teflon' (RTM), for coating such moulds, is claimed.</p> <p>Preferably the mould is made of metal or plastic, especially aluminium, aluminium alloy, steel, polypropylene, polycarbonate, polyphenylene ether, PTFE or other microwave-compatible polymers.</p> <p>ADVANTAGE - Provides an internal mould coating which makes additional mould release agents unnecessary and is suitable for all types of moulds and materials. Other advantages are that the coated mould has good long-term stability and a long service life, and results in less emission and a considerable reduction in demoulding energy, wit</p>
	Германия п. № 4434425-C2 МПК B29C-041/08; C23C-004/02; C25D-011/04;	Заявитель FISSLER GMBH З. № DE4434425 Пр-т 27 Сентябрь 1994 Оpubл. 03 Апрель 1997 Аналоги EP839216-A; WO9717478-A1; EP839216-A1; EP839216-B1; DE59507977-G	11.	<p>ABRASION-RESISTANT NON-STICK (НЕ ПРИГОРАЮЩИЙ) COATINGS PROD. ON SOFT METAL - BY SAND-BLASTING TO SET OF SURFACE ROUGHNESS CRITERIA, ANODISING OR OTHER HARDENING, AND COATING WITH NON-STICK MATERIAL, E.G. PTFE.</p> <p>The prodn. of anti-adhesive coatings on the surface of a comparatively soft metal substrate, e.g. Al, Al alloy, Mg alloy and/or Cu alloy, esp. pan coatings, comprises roughening the surface, coating with layer(s) of hard material (A), e.g. hard anodised layers, and then coating with layer(s) of anti-adhesive material (B), e.g. a fluorocarbon resin such as polytetrafluoroethylene (PTFE), TFE-hexafluoropropylene copolymer (FEP) or TFE-ethylene copolymer (ETFE). The surface roughness of the metal substrate and/or the hard layer must satisfy the following criteria: Ra = 8-30 microns and/or Rz = 40-180 microns and/or Ry = 50-250 microns and/or Pc (1.3) = 20-45 per cm and/or tp (10%) = 1-3% and/or tp(20%) = 1-10%. Also claimed are articles with at least part of the surface provided with a non-stick coating as above, e.g. domestic equipment, machine parts, moulds for injection moulding or casting.</p> <p>USE - Used for the prodn. of non-stick coatings on pans, irons, cake and pudding moulds, machine rollers, and industrial moulds etc. as above.</p> <p>ADVANTAGE - Enables the prodn. of non-stick coatings with the optimum combination of anti-adhesive action, abrasion resistance and scratch resistance.</p>

1	2	3	4	5
	<p>Германия з. № 10119570-B4 МПК B05D-005/00; B05D-007/26; C03C-017/32</p>	<p>Заявитель SCHOTT GLAS SCHOTT AG з. № DE1019570 Пр-т 21 Апрель 2001 Опубл. 08 Декабрь 2005</p>	12.	<p>MACHINE COMPONENTS PREFERABLY REFLECTORS ARE PROVIDED WITH A TEMPERATURE RESISTANT POLYMER COATING COVERING THEIR INNER SURFACES. Machine components are provided with a temperature resistant polymer coating covering their inner surfaces. USE - As machine components in particular for reflectors (claimed). ADVANTAGE - Material deposits on such coated surfaces are easily removable without damage to the coating. DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for: (1) an application of the components as reflectors; and (2) a method for coating the inner surfaces of machine components comprising application of the coating material by spraying, by dipping or by a powder process, with baking (if required) used as a finishing operation. TF TECHNOLOGY FOCUS - POLYMERS - Preferred Materials: The proposed coating material is polytetrafluoroethylene (PTFE).</p>
	<p>Германия з. № 19902078-A1 МПК B05D-007/14; C03C-017/32; C04B-041/83; C09D-127/12</p>	<p>Заявитель WEILBURGER LACKFABRIK GREBE GMBH JAKOB з. № DE1002078 Пр-т 20 Январь 1999 Опубл. 27 Июль 2000</p>	13.	<p>A METAL, CERAMIC, ENAMEL, OR GLASS COATED OBJECT CONTAINING FLUOROPOLYMER USEFUL FOR COOKING, BAKING, AND GRILLING EQUIPMENT SHOWS GOOD ADHESION BETWEEN THE BASE/INTERMEDIATE AND INTERMEDIATE/FLUOROPLASTIC CONTAINING LAYERS. An object at least partially coated with at least one metal, ceramic, enamel or glass coating, at least one part of this layer consisting of fluoropolymer, and a binder comprising at least one polyamideimide, polyimide, polyetherimide, polyethersulfone, partially oxidized polyphenylenesulfide, polyetherketone, silicone resin, or a mixture of at least two of these is new. USE - The object is useful for cooking, baking, and grilling equipment. ADVANTAGE - Good adhesion is obtained between the base and intermediate layer and between the intermediate layer and the fluoropolymer containing layer.</p>
	<p>Германия п. № 19518005-C2 МПК B05D-001/00; B29B-009/16; B29C-033/56</p>	<p>Заявитель BRADIC M M BRADIC M BRADICK M BRADIK M BURADIK M з. № DE1049656 Пр-т 19 Май 1995 Опубл. 01 февраль 2001 Аналоги EP743102-A1;</p>	14.	<p>USE OF POLY:FLUORO:FULLERENE FOR COATING SURFACES - COMPRISES COATING SURFACES, ESP. POLYMER SURFACES AND POLYMER GRANULES, WITH POLY:FLUORO:FULLERENE BY SUBLIMATION OR SINTERING ETC.. The use of polyfluoro-fullerene (I) for coating surfaces, esp. material surfaces, is claimed. Also claimed are surfaces with a coating consisting of or at least contg. (I), and granulated or powdered materials, esp. polymeric materials, with such a coating. USE - For coating surfaces and materials as above. ADVANTAGE - A new application for (I), enabling the prodn. of temp.-resistant, chemically neutral coatings with non-stick properties similar to those of PTFE. EA (DE19518005-A1) The use of polyfluoro-fullerene (I) for coating surfaces,</p>

1	2	3	4	5
		US5786309-A; US5958523-A; JP3404218-B2;		esp. material surfaces, is claimed. Also claimed are surfaces with a coating consisting of or at least contg. (I), and granulated or powdered materials, esp. polymeric materials, with such a coating. USE - For coating surfaces and materials as above. A new application for (I), enabling the prodn. of temp.-resistant, chemically neutral coatings with non-stick properties similar to those of PTFE
	Германия з. № 19521694-A1 МПК A47J-027/00; A47J-036/04; A47J-037/10; C03C-017/42; C04B-041/89	Заявитель BATAROW R з. № DE2005799 Пр-т 04 Апрель 1995 Опубл. 10 Октябрь 1996	15.	ANTI-STICK COATED GLASS PORCELAIN OR CERAMIC WARE FOR COOKING - HAS PTFE COATING APPLIED OVER COLOURED BASE-COAT. Pressed, cast or blown glass, heat-resistant porcelain, unglazed, glazed or partially glazed ceramic ware, partic. dish, container, saucepan, pan and baking dishes for boiling, roasting, braising, stewing and simmering in cookers and ovens and in microwave ovens has a complete or partial layer of anti-stick coating, mainly of polytetrafluoroethylene. The coating is applied to a surface pretreated with a coloured glass or ceramic base-coat (2), which is dried at about 100C before application of the anti-stick coating in one or several layers and then fired at 380-420C. ADVANTAGE - Characteristics comparable with coated metalware, retains anti-stick properties and appearance.
	Германия П. № 69201871-E МПК C04B-041/63; C09D-127/16; C08F-036/00	Заявитель AUSIMONT SPA з. № DE601871 дата подачи 03 Январь 1992 Опубл. 11 Май 1995 Приоритетные данные Пр-т ITMI0005 03 Январь 1991 Аналоги US5219927-A; IT1244357-B; EP494082-B1; DE69201871-E	16.	PROTECTION AND CONSOLIDATION OF LAPIDEOUS MATERIALS - USING MIX OF ELASTOMERIC VINYLIDENE FLUORIDE COPOLYMER AND (POLY)TETRA:FLUOROETHYLENE COPOLYMER. A process for consolidating and protecting lapideous materials, marble, sandstone, tiles, cement conglomerates and articles and structures mfd. from these materials against the degrading action of atmospheric agents and pollutants, uses, as a protective and consolidating agent, a mix of: a) an elastomeric vinylidene fluoride copolymer comprising 55-85 mol % of vinylidene fluoride, 15-45 mol % hexafluoropropylene and 0-30 mol % tetrafluoroethylene; and b) polytetrafluoroethylene or a tetrafluoroethylene copolymer contg. up to 12 mol % of other perfluorinated monomers. (a) and (b) are mixed, prior to application, in the form of an aq. dispersion; or (a) may be dissolved in an organic solvent and (b) is dispersed in the resulting soln. in the form of a fine powder. The wt. ratio on dry basis between (a) and (b) is 40:1 to 1:1 pref. 10:1 to 3:1. USE/ADVANTAGE - The process is used to protect construction materials. The protective coatings have a lower friction coefft. compared with fluoroelastomer alone, the low coefft. of friction favours the flowing of water and the pollutants contained in it and so reduces absorption of the water by the treated surfaces. The coating also has improved mechanical properties, esp. tensile streng
	ГДР	Заявитель	17.	COATING ALUMINIUM UTENSILS WITH NON-METALLIC LAYER - USING

1	2	3	4	5
	а.с. № 284700 МПК А47J-036/02; В05D-005/08	VEB HAUSHALTGER MAR З. № DD329377 Пр-т 05 Июнь 1989 Опубл. 21 Ноябрь 1990		INTERMEDIATE OXIDISED COATING TO IMPROVE ADHESION OF FINAL POLY-TETRA:FLUOROETHYLENE COATING. Method of coating metal surfaces with a function layer of a non-metallic cpd. comprises protreating the surface by anodic oxidn either by spark or electrolytic treatment to produce a non-metallic adhesion promoting layer. A non-metallic cpd e.g. Al ₂ O ₃ , or Al ₂ O ₃ /TiO ₂ or mineral powder is coated onto the surface by plasma spraying. Pref thickness of the surface converted into an adhesion promoting layer is 5-20 micron. The final surface coating may be an anti-adhesive layer based on PTFE. ADVANTAGE - Esp for household utensils e.g. frying pans and baking trays made of Al. By improving adhesion the quality of the finished prod is increased.
	Германия в.з. № 10147303-A1 МПК В29C-043/24; В29C-043/28; В29C-070/82	Заявитель FEDERAL-MOGUL WIESBADEN GMBH З. № DE1047303 Пр-т 26 Сентябрь 2001 Аналоги WO2003026868-A1; EP1429902-A1 US2005019490-A1	18.	PRODUCTION OF BEARING MATERIAL FOR USE E.G. IN CAR DOOR HINGES, INVOLVES COATING ONE SIDE OF A STRIP OF WOVEN METALLIC SUPPORT MATERIAL WITH A POLYTETRAFLUOROETHYLENE-BASED PASTE IN A TWO-ROLL CALENDER SYSTEM TO FORM A SLIP LAYER. NOVELTY - A method for the production of bearing materials by continuously coating one side of a strip of woven metallic support with a slip layer based mainly on polytetrafluoroethylene, in which the surface of the support is coated with a paste of the slip material and the underside of the support is in full-surface contact with a roller during and directly after coating USE - Bearing materials obtained by this method are used as sliding elements in flange sleeves, especially for vehicle door hinges (claimed). ADVANTAGE - A simple method for the production of bearing materials by continuously coating a woven metallic support with a suitable slip material.
	Германия в.з. № 19500703-A1 МПК F16C-033/32; F16C-033/62	Заявитель SINTERMETALLWERK KREBSOEGE GMBH З. № DE1000703 Пр-т 12 Январь 1995 Опубл. 18 Июль 1996 Аналоги WO9621522-A1	19.	SLIDING COMPONENT MADE BY POWDER METALLURGICAL METHODS - HAS SLIDING SURFACE COATED WITH LOW-FRICTION COMPSN. CONTG. VERY FINE PTFE POWDER DISPERSED IN RESIN MATRIX WHICH ACTS BONDING AGENT. A component (1) produced by powder metallurgical methods and with at least one surface (A) subject to tribological stress is coated, at least on surface (A), with a friction-reducing coating (3) consisting of a very finely-divided low-friction material(s) (I) dispersed in a matrix (II) which acts as a bonding agent. USE - Used e.g. as pistons or guide components for shock absorbers, plain bearings or inserts for valves etc. ADVANTAGE - Provides sintered metal components, esp. with low porosity and closed pores, with a combination of high material strength and good sliding properties, without the need for pretreatment (e.g. etching) or for an interlayer between component and coating

1	2	3	4	5
	Германия п. ПМ № 20311441-U1 МПК G06F-003/033	Заявитель SHARKOON TECHNOLOGIES GMBH З. № DE2011441 Пр-т 24 Июль 2003 Опубл. 18 Сентябрь 2003	20.	HEAVY-DUTY MOUSE MAT COMPRISES ALUMINUM PLATE WITH ROUGH UPPER SURFACE, TO WHICH POLYTETRAFLUOROETHYLENE COATING IS APPLIED Heavy-duty mouse mat comprises an aluminum plate (2) with a rough upper surface. A polytetrafluoroethylene coating (1) is applied to this. USE - Especially for playing computer games or for those using Internet chat rooms. ADVANTAGE - Wear is reduced
	Германия п. № 10202025-B4 МПК B05B-005/03; B05B-005/04;	Заявитель FRAUNHOFER GES FOERDERUNG ANGEWANDTEN (FRAU) FRAUNHOFER GES FOERDERUNG ANGEWANDTEN EV З. № DE1002025 Пр-т 18 Январь 2002 Опубл. 04 августа 2005	21.	POWDER SPRAY PISTOL FOR ELECTROSTATIC COATING OF OBJECTS PRODUCES MECHANICALLY AND/OR ELECTROSTATICALLY CONTROLLABLE POWDER MIST. NOVELTY - A pistol (1) has a powder and gas mixture conveying channel (8), which ends at a nozzle outlet (5). The outlet creates a powder mist whose shape can be continuously varied either mechanically and/or electrostatically. USE - For spray coating of objects with plastics powders. ADVANTAGE - Variation of the spray mist shape can be achieved smoothly without interruption of the spraying process and is reproducible. DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a powder coating process using the claimed equipment.
	Германия З. № 10300751-A1 МПК B05B-005/03; B05B-005/04;	Заявитель CHEMETALL GMBH SOHN GMBH ANTON ANDRE З. № DE1000751 Пр-т 11 Январь 2003 Аналоги WO2004063294-A1; AU2004203920-A1; EP1585793-A1	22.	ORGANIC ANTICORROSION COATING, USED IN THE STEEL INDUSTRY FOR AUTOMOBILE AND AIRCRAFT CONSTRUCTION, HAS FLEXIBILITY AND ADHESIVE STRENGTH GREATER THAN SPECIFIC VALUE. NOVELTY - An organic, anionic, cationic and/or radically cured anticorrosion coating (I.) with dry film thickness of 0.4-20 microns and applied directly to a metallic surface without an intermediate pre-treatment layer, has a flexibility and adhesive strength of no greater than T3 , preferably T1 according to a T-bend test (ECCA Standard T7). USE - The coating composition (II) is useful in the steel industry for automobile and aircraft construction, deep drawing, furniture, household products, doors, windows, profiles and bicycle frames and for the corrosion protection of surfaces, edges, seams and near weld zones (all claimed). ADVANTAGE - The coating (I) does not require an additional anticorrosion pretreatment process for the substrate prior to application. DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following: (1) an organic, anionic, cationic and/or radically cured anticorrosion coating composition (II) comprising a dispersion or solution of at least two components comprising monomers, oligomers, and polymers of which 50-95 wt.% are anionically, cationically and/or radically curable and which contains 1-58 wt.% of at least one

1	2	3	4	5
				<p>monofunctional monomer and/or oligomer. The composition also contains (wt.%): At least one photoinitiator (0.5-22); organic corrosion inhibitor (0.05-6); hardener for chemical post-crosslinking (0.05-8); optionally at least one other organic and/or inorganic corrosion inhibitor (0.1-12); optionally substrate wetting agents (at most 35), preferably for adhesion to electrophoretic paint layers, wetting agents, defoaming agents, lubricants, adhesion promoters, pigments, flow aids, accelerators, anticrack additives and/or thixotropic agents; and optionally water (0.01-5) and/or at least one organic solvent;</p> <p>(2) a process for coating metallic substrates, preferably parts, profiles and/or belts, preferably of aluminum, magnesium and/or steel, optionally precoated with a zinc containing layer with an organic, anionic, cationic and/or radically cured anticorrosion coating, whereby the substrate is not pretreated with a chromate, phosphate, complex fluoride, silane and/or siloxane pretreatment and the coating is applied as a dispersion or solution in a wet film thickness of 0.4-25 microns, optionally dried and cured to a dry film thickness of 0.4-20 microns whereby the coating has a flexibility and adhesive strength of no greater than T3(T1) (T-bend test according to ECCA T7 as a 8 microns thick organic coated zinc treated 0.3 mm thick steel plate);</p> <p>(3) a process for the coating of metallic surfaces using the composition (II) to a wet coating thickness of 0.5-25 microns, optionally drying and curing to a dry thickness of 0.4-20 microns.</p> <p>TF TECHNOLOGY FOCUS - POLYMERS - Preferred Composition: The anti-corrosion coating has a cross-hatch adhesion strength of no greater than Gt3 (DIN EN2409), a corrosion resistance of greater than 150 hours as measured by a salt spray test (DIN 50021, at least 5 mm scratches), forms a dust and defect free sample after Erichsen deep drawing using a 33 mm thick die and press speed of 750 mm/min from 60 mm diameter samples and a chemical resistance of greater than 20 cycles (ECCA T11, methyl ethyl ketone). The coating composition comprises 0-60 wt.% monomers, 0-60 wt.% oligomers and 10-70 wt.% polymers. The monomers and/or oligomers are based on acrylate, methacrylate, polyester and/or polyurethane, preferably 2-ethylhexylacrylate, polyethylene diacrylate, tripropyleneglycol diacrylate or one of 13 other specifically named acrylates. The photoinitiator is an aminoketone, benzophenone, phosphine oxide and /or one of 10 other specifically named photoinitiators. The cross-linking agent is isocyanate based, preferably TDI, MDI, HDMI and/or HDI. The first corrosion inhibitor is an amine, a dicarboxylic acid compound, thiol or conductive polymer and the second corrosion inhibitor is a titanium, hafnium, zirconium, carbonate, ammonium carbonate, amine, a dicarboxylic acid compound, thiol or conductive polymer, silicic acid, oxide and/or silicate. The ratio of organic to inorganic corrosion inhibitor is 1:8-1:20. The lubricant is graphite, polyethylene, polypropylene, polytetrafluoroethylene, silane, siloxane or wax. The</p>

1	2	3	4	5
				<p>composition (II) has a viscosity of 80-20,000 (350-10,000) at 25 degreesC (DIN 53019). The composition (II) is applied at 5-90 degreesC by doctor blade, spraying, dipping and/or rolling. The composition (II) is dried at 30-95 degreesC and is cured by UV (180-700 nm), optionally with cross-linking by post-heating at at least 60 degreesC. The anticorrosion coating is coated with paint, lacquer and/or adhesive. The coated plate is formed to a!</p> <p>shape without damage to the coating and may be connected to other components by clamping, adhering, welding and/or other process. The substrate is cleaned and/or etched and optionally rinsed prior to coating.</p>
	<p>Германия В.з. № 202004003344-U1 МПК B29D-007/01; B65D-030/02; B65D-065/40; C08J-005/16;</p>	<p>Заявитель COFRESCO FRISCHHALTEPRODUKTE GMBH & CO З. № DE20003344 Пр-т 04 Март 2004 Опубл. 18 августа 2005</p>	23.	<p>PLASTIC FILM FOR PACKAGING FOODS, MAKING BAGS OR THE LIKE HAS A NON-STICK COATING ON AT LEAST ONE SIDE.</p> <p>Plastic film for packaging foods, making bags or the like has a non-stick coating on at least one side.</p> <p>USE - Plastic film for packaging foods, making bags, especially freezer bags, or the like.</p> <p>ADVANTAGE - The non-stick coating reduces adhesion between adjacent parts of the film and adhesion to packaged materials.</p> <p>The film is made of polyethylene. The non-stick coating comprises a graft copolymer, PTFE, silicone or a PTFE-silicone blend.</p>
	<p>Германия З. № 202005003680-U1 МПК A63C-005/04; A63C-005/044; A63C-005/048</p>	<p>Заявитель KNEISSL TIROL GMBH KNEISSL HOLDING GMBH З. № DE10015842 Пр-т 31 Март 2004 Опубл. 13 Октябрь 2005 Аналоги WO2005092453-A1</p>	24.	<p>A SKI WITH A RUNNING SURFACE COATING ON ITS UNDERSIDE, AND AN INNER SIDE PLATE (SIC) WITH A RUNNING SURFACE COATING USEFUL FOR CROSS-COUNTRY AND ALPINE APPLICATIONS</p> <p>Coating (12) consists of sintered or extruded polyethylene (PE) and the longitudinal side strips (15, 16) consist of a hard material for easy sliding, e.g. PE, PTFE, ABS, or metal.</p>
	<p>Германия З. № 10313966-A1 МПК C09D-127/12; B05D-007/02; B05D-007/14; C23F-015/00</p>	<p>Заявитель АНС-ОBERFLAECHEENTECHNIK GMBH & CO OHG З. № DE1013966 Пр-т 27 Март 2003 Опубл. 07 Октябрь 2004 Аналоги WO2004085557-A1 WOEP000865</p>	25.	<p>INCREASING CORROSION RESISTANCE OF TUBES, E.G. FOR USE IN STORAGE OF PHARMACEUTICALS OR FOODS, BY INTERNAL COATING WITH FLUORINATED POLYMER.</p> <p>A method for increasing the corrosion resistance of tubes involves coating the interior wall(s) of the tubes with fluorinated polymer(s) (I).</p> <p>USE - The tubes are specifically used for the passage of all types of flowable (liquid or pasty) media, e.g. medicaments, pharmaceuticals, foods, adhesives, chemicals or cleansing, care, detergent or body care compositions (all claimed).</p> <p>Aluminum tubes of capacity 100 ml were internally coated with fluoropolymer, by spraying with 3M Easy Clean Coating ECC-1000 (RTM; 0.1 wt. % solution or</p>

1	2	3	4	5
				dispersion of fluoropolymer in a mixture of methyl-perfluoroisobutyl ether/methyl-nonafluorobutyl ether) and evaporating the solvent to give a thin, homogeneous, adherent fluoropolymer coating film. When the tubes were filled with 80 ml of iodine-containing wound healing ointment, closed by folding and stored at 40degreesC, no corrosion was observed after 120 days, whereas uncoated control tubes were thoroughly corroded after 30 days.
	Германия В.з. № 10351946-A1 МПК C23C-008/40; B05D-007/14; C23C-022/02	Заявитель DECHEMA GES CHEM TECH & BIOTECHNOLOGY З. № DE1012853 Пр-т 21 Март 2003 Опубл. 07 Октябрь 2004 Аналоги EP1462537-A2	26.	ALUMINUM ALLOYS E.G. ALUMINUM-TITANIUM ALLOYS FOR AERO-ENGINES, HAVE OXIDATION RESISTANCE IMPROVED BY COATING WITH ORGANIC HALOGEN COMPOUND AND HEATING. Articles of aluminum alloy are shaped at normal temperatures and then have an organic halogen-carbon compound, or a matrix containing such a compound, applied to the surface. The article is then heated up to at least 700 degrees C so that the halogen combines with the aluminum and the organic components evaporate. Heating can take place when the article is in use for the first time. USE - Improving oxidation resistance of aluminum alloys at elevated temperature e.g. for aero-engine or stationary gas turbine applications, particularly between 700 and 1100 degrees C (claimed). ADVANTAGE - Treatment allows use of these alloys for extended periods at high temperature. DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for the use of this process to improve the oxidation resistance of aluminum alloys, especially titanium-aluminum alloys. Application of organic halogen compounds can be by brush, spraying or dipping to produce between 3.5x10 ⁻¹² and 6.5x10 ⁻⁴ mol fluorine/cm ² .
	Германия З. № 60301322-E МПК C08L-027/12; C08L-027/18; C09D-127/12; C09D-127/18; C08J-003/00; C08K-005/06	Заявитель 3M INNOVATIVE PROPERTIES CO З. № DE601322 Пр-т 28 февраля 2003 Опубл. 22 Сентябрь 2005 Аналоги WO2004078836-A1; US6861466-B2; EP1452571-B1;	27.	FLUOROPOLYMER DISPERSION FOR COATING SUBSTRATE, COMPRISES NON-IONIC NON-FLUORINATED SURFACTANT OR ITS MIXTURE WITH NON-FLUORINATED ANIONIC SURFACTANT(S), IN AMOUNT AND NATURE TO OBTAIN SPECIFIC VISCOSITY TRANSITION TEMPERATURE OF DISPERSION. Fluoropolymer dispersion comprises a non-ionic non-fluorinated surfactant or mixture of non-ionic non-fluorinated surfactants and non-fluorinated anionic surfactant(s), in an amount and nature such that the viscosity transition temperature of the fluoropolymer dispersion is at least 26degreesC, where fluoropolymer dispersion is free of aromatic group containing non-ionic surfactants. USE - The invention is used in coating or impregnation of a substrate comprising metal substrates, glass fiber fabrics, polymeric substrates, paper, and kitchenware (claimed).
	Германия	Заявитель	28.	ABRASION- AND SHEAR-RESISTANT ANTIFOULING COATINGS FOR

1	2	3	4	5
	В.з. № 10321226-A1 МПК C09D-007/00; C09D-127/18; C09K-003/18	EISENBLAETTER GMBH GERD з. № DE1021226 Пр-т 12 Май 2003 Опубл. 02 Декабрь 2004		UNDERWATER PARTS OF SHIPS, ESPECIALLY PROPELLERS, COMPRISING SPONGY BOTTOM LAYER, INTERMEDIATE LAYER AND PTFE TOP LAYER. NOVELTY - The use of an antifouling coating (I) is claimed as for coating underwater metallic parts of ships, where (I) has a thickness of at least 40 mum and consists of (a) a spongy, ceramic-reinforced bottom layer, (b) an intermediate layer and (c) a top layer of PTFE. USE - (I) is useful for inhibiting fouling of underwater parts of ships (especially propellers; claimed) by marine organisms such as algae, tubeworms or mussels. ADVANTAGE - As well as having very good adhesion inhibiting action, (I) has high stability, abrasion resistance and shear strength and a long effective life. Unlike prior art PTFE-based coating systems, (I) is not subject to removal by abrasion during mechanical cleaning. The bottom layer (a) provides a high anchoring surface for the other layers, and the intermediate layer (b) ensures strong and lasting bonding of the non-stick top layer (c) to the bottom layer. The high shear strength of (I) is particularly valuable on propellers
	ГЕРМАНИЯ п. № 2847620-С МПК B05D-003/06; C23C-013/08; H01G-004/30; H01G-013/00	Заявитель SIEMENS AG з. № DE2847620 пр-т 02 11 1978 опубл. 18 10 1984 Аналоги FR2440604-А, GB2036087-В, US4508049-А,	29.	MULTILAYER CAPACITOR MFR. - ON DRUM REVOLVING FAST VACUUM CHAMBERS FOR METAL AND GLOW DISCHARGE POLYMER DEPOSITION Electrical modules, esp. multi-layer capacitors, are mdf. by moving a carrier from a zone with a first vacuum for metal vapour deposition to a second zone with another vacuum for a deposition of a glow discharge polymer layer. This cycle is repeated by fixing the carriers on the periphery of a drum which revolves in turn along the two zones. This system produces capacitors in mass prodn. and achieves high dielectric strength figures and low dielectric loss factor values.
	ГЕРМАНИЯ п. № 2848480-С МПК C23C-013/08; H01G-004/30	Заявитель SIEMENS AG з. № DE2848480 пр-т 08 11 1978 опубл. 08 11 1984 Аналоги FR2441251-А, US4294194-А, GB2034356-В	30.	ALTERNATE COATING OF ARTICLES FOR CAPACITORS - IN VACUUM CHAMBERS SEPARATED BY VACUUM LOCKS OF DIFFERENT DIFFUSION PATHS FOR RESIDUAL GAS EXTRACTION. A device for the coating of articles, specially for the alternate deposition of metal and glow discharge polymer layers for electrical capacitors uses a revolving drum for the articles which are passed through a vacuum chamber with a lower and a vacuum chamber with a higher residual gas pressure. The vacuum lock upstream of the former chamber has longer diffusion paths than the vacuum lock downstream of it. This reduces the dimensions for the locks to the minimum and permits a high throughout velocity for the articles to be coated.
	Германия п. № 4443811-А1 МПК	Заявитель KUENZLI AG FRANZ UTP SCHWEISSMATERIAL GMBH &	31.	UNIVERSAL HIGH SPEED FLAME SPRAYING BURNER - CAPABLE OF SPRAYING WIRE ROD OR POWDER ADDITIVE MATERIAL WHICH IS FED INTO THE BURNER EITHER AXIALLY FROM THE BACK OF THE BURNER

1	2	3	4	5
	B05B-007/18; B05B-007/20; C23C-014/12	CO KG з. № 4443811 пр-т 09 12 1994 опубл. 13 06 1996		OR RADially DIRECTLY INTO THE EXPANSION NOZZLE. Universal high speed flame spraying burner in which gas and/or liquid fuel together with oxidation gas, pressurised air and/or oxygen are fed through the back section (5) of the burner, the water cooled firing chamber (15), the water cooled expansion nozzle (6) and then into the centre of the hypersonic flame beam. The additive material in wire, rod or powder form can be fed into the burner either from the back axially into the expansion nozzle or radially via two opposite channels (14) into the centre of the expansion chamber. Pref. the radial feed channels are held in place by a tightening nut (10) between the flange (40) of the outer water cover (12) and the flange ring (9) on the outer screw socket (8). The expansion chamber is stepped at the position (16) where the feed channels enter the chamber. At this position the expansion chamber has a cylindrical band (20) and the connection between band and channel (14) is surrounded by a water seal O-ring (21). USE - High speed surface coating, esp. in turbine blade production. Has all the technical and economic advantages of gas-driven HVOF spray burners and can produce surface coating qualities which in the prior art were only producible with HVOF burners operated with liquid fuel and oxidation gas.
	ГЕРМАНИЯ п. № 59608994-G МПК C03C-017/30; C23C-014/12; G02B-001/10; C23C-014/24; C09D-183/08; G02B-001/00; C23C-016/24; C23C-028/00; C23C-014/06; G02B-001/11	Заявитель MERCK PATENT GMBH з. № DE1039789 пр-т 26 10 1995 опубл. 08 05 2002 Аналоги EP770699-A2 KR315935-B KR97022373-A TW400392-A CN1158364-A JP9137122-A US5853800-A	32.	PRODUCING WATER-REPELLENT COATINGS ON OPTICAL SUBSTRATES - BY HIGH- VACUUM VAPOUR DEPOSITING FLUORINATED SILANE COMPOUNDS FROM POROUS INORGANIC OXIDE MATRIX. The production of water-repellent coatings on optical substrates comprises high-vacuum vapour deposition with organo-silane compounds of formula $C_nF_{2n+1}(CH_2)_mSiR_1R_2R_3$; in which $R_1 = 1-3$ C alkoxy or $C_nF_{2n+1}(CH_2)_mSiR_2R_3O$; $R_2, R_3 = 1-3$ C alkyl or alkoxy; $n = 1-12$; and $m = 1-6$. USE - Used for the production of water-repellent coatings on optical substrates, preferably substrates which have been precoated with thin layers for hardening the surface and/or reducing reflection (claimed). ADVANTAGE - The coatings are durable and water-repellent with good adhesion to optical substrates and with considerably better resistance than prior-art coatings towards wiping, scratching, humidity, physiological saline, elevated temperature and the effect of UV. USE - Used for the production of water-repellent coatings on optical substrates, preferably substrates which have been precoated with thin layers for hardening the surface and/or reducing reflection (claimed).
	ГЕРМАНИЯ п. № 19706690-C2 МПК C08J-003/28; C08L-023/00; C08L-023/30;	Заявитель DAIMLER-BENZ AG; DAIMLER-BENZ AEROSPACE AG; SCHMID H K; DAIMLERCHRYSLER AG з. № DE1006690 пр-т 20 02 1997	33.	SURFACE MODIFICATION OF FINE PARTICLES MAKING THEM DISPERSIBLE IN FLUIDS FOR COATINGS OR SEALANTS - BY TRICKLE FLOW DOWNWARDS THROUGH A PLASMA IN AN EVACUATED LOW PRESSURE CHAMBER. Surface modification of powder particles is effected by feeding the particles in at the top of an evacuated low-pressure chamber (2) and allowing them to trickle freely

1	2	3	4	5
	C08L-023/36; C09D-123/26; C09K- 003/10	опубл. 28 11 2002		downwards through a plasma. The claimed apparatus has the chamber (2) connected via conduit (9) to a vacuum pump and also fitted with gas inlets (10), microwave sources (3), a powder feed device (6) and a receiver (8) for the powder at the bottom of the chamber (2). ADVANTAGE - The surface of e.g. very fine (0.1-100) polymer powder can be modified to render the powder dispersible in fluids for subsequent use as coatings or sealants eg for vehicle undercarriages, this being achieved using relatively simple apparatus with a high throughput.
	ГЕРМАНИЯ з.№ 19933230 МПК C23C14/12 ; C23C14/24	Заявитель FRAUNHOFER GES FORSCHUNG (DE) з. № DE19991033230 пр-т 1999-07-15; опубл. 2000-10-19 Аналоги WO0062943 (A1) EP1165257 (B1)	34.	RELEASE LAYER USED, E.G., FOR PRODUCTION OF NANOPARTICLES, PIGMENTS, PAINT, EMBOSSED SHEET OR STRUCTURED SURFACES CONTAINS AN ORGANIC MONOMER, E.G. MELAMINE, DEPOSITED BY VACUUM VAPOR DEPOSITION A release layer deposited on a substrate by vacuum vapor deposition contains an organic monomer. An Independent claim is also included for a process for the production of a release layer as described by vacuum vapor deposition on a substrate
	ГЕРМАНИЯ з. № 10154229-A1 МПК B05C-011/00;	Заявитель WILLMS T; BRUCH J; APPLIED FILMS GMBH & CO KG з. № DE1054229 пр-т 07 11 2001 опубл. 15 Май 2003 Аналоги EP1310979-A2 JP2003234200-A US2003087044-A1	35.	PLASMA IMPEDANCE REGULATING DEVICE USED IN SPUTTER PROCESSING OF SUBSTRATE, ADJUSTS PARAMETER AFFECTING PLASMA IMPEDANCE BASED ON DIFFERENCE BETWEEN RESONANCE AND REFERENCE FREQUENCY VALUES. A subtractor (38) computes the difference between the resonance frequency of free running alternating current (AC) generator (35) connected to vacuum chamber (1) and the reference frequency from frequency value sender (39). A regulator (40) adjusts the parameter affecting plasma impedance based on the calculated difference value. USE - For regulating plasma impedance during sputtering processes such as etching and vapor deposition of substrate. ADVANTAGE - By varying the plasma impedance based on the difference between resonance and reference frequency values, effective controlling of the voltage, current, power, gas inflow to the vacuum chamber is ensured. DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for reactive sputtering method.
	Германия з. № 10335552 B4 МПК B01F-000/00; A23L-001/00;	Заявитель STEPHAN MACHINERY GMBH & CO з. № DE1035552 пр-т 02 августа 2003 опубл 02 августа 2004 Аналоги WO2005014152-A2	36.	MIXING SHAFT, FOR FOODSTUFFS IN HEATER, COMPRISES STEEL CORE WITH POLYMER COATING IN WHICH MIXING BLADES ARE FORMED. NOVELTY - Mixing shaft, for foodstuffs, comprises a steel core (3) with a polymer coating (6) in which mixing blades (4) are formed USE - For mixing foodstuffs in a heater ADVANTAGE - The novel mixing shaft has no gaps, and so is more hygienic. DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for a method for making the above mixing shaft by applying a polytetrafluoroethylene coating to a steel core in known manner, and forming mixer blades in the coating.

1	2	3	4	5
	<p>Германия з. № DE10124434-A1 МПК С23С-022/20; С23С-022/07;</p>	<p>Заявитель BOSCH GMBH ROBERT з. № DE1024434 пр-т 18 Май 2001 опубл 28 Ноябрь 2002 Аналоги EP1258542-A; EP1258542-A2; US2002192511-A1</p>	37.	<p>PRODUCTION OF A FUNCTIONAL COATING ON A SUBSTRATE COMPRISES DISPERSING A FUNCTIONAL MATERIAL IN A MATRIX SOLUTION HAVING A LIQUID COMPONENT AND A PHOSPHATE, THEN APPLYING THE DISPERSION IN THE FORM OF A COATING ON THE SUBSTRATE. Production of a functional coating on a substrate comprises dispersing a functional material in a matrix solution having a liquid component and a phosphate, then applying the dispersion in the form of a coating on the substrate. The coating is converted into a functional coating having an inorganic matrix phase and an integrated functional material by heat treatment. USE - Used in the car industry. ADVANTAGE - The coating has high wear and corrosion resistance. DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for the functional coating produced. Preferably the liquid component is water or a mixture of water with an organic solvent, especially an alcohol or a glycol. The functional material is a powdered functional material having an average particle size of 10 nm to 5 microns or a fibrous or whisker-like functional material. The functional material is made from a metal, polymer, graphite, hard material such as a metal nitride, a metal oxide, metal carbide, metal carbonitride, a dry lubricant or a ceramic, especially Si, ZrO₂, Al₂O₃, SiO₂, TiO₂, TiN, Teflon, PTFE, polyethylene, polyamide, boron nitride, silicon nitride, MoS₂, MoSi₂ or chromium oxide.</p>
	<p>Германия В.з. № 4343297-A1 МПК B29C-063/30; B29K-027:12; B29L-022:00</p>	<p>Заявитель KERAMCHEMIE GMBH з. № DE4343297 Пр-т 19 Декабрь 1993 Аналоги EP658417-A3</p>	38.	<p>WRAPPED ANTI-CORROSION COATING FOR STEEL WITH VERY LOW WATER PERMEABILITY - COMPRISES RUBBER LAYER DEPOSITED ONTO SURFACE FOLLOWED BY FLUORO-POLYMER LAYER STUCK TO RUBBER LAYER TO LEAVE AN EXPANSION GAP WHICH IS FILLED WITH JOINT FILLER. Applied anti-corrosion system for metal components (1), especially of steel; for instance, containers, pipelines etc. in which, during production, a layer of rubber is deposited onto the working or exposed surface (2), followed by an outer layer of thermoplastic film (8) which is stuck on. Pref. this is fluorinated, and an expansion gap is left, which is afterwards made good with a joint filler having a glass transition temperature below 20C. USE - To prevent corrosion due to aggressive substances, including cool flue gases and sulphur dioxide, HCl and HF; and to give some protection against abrasives and mechanical damage. To coat containers and pipelines. ADVANTAGE - Other rubber/thermoplastic coatings are known, but they all absorb water, albeit in very small quantity, which diffuses to the metal and ultimately</p>

1	2	3	4	5
				corrodes it. Singular advantage is conferred here by the fluoropolymer layer, which greatly reduces the absorption and transmission of water.
	Германия В.з. № 3534724-C2 МПК B05D-007/22; C04B-041/83;	Заявитель EIGENBROD V З. № DE3534724 Пр-т 28 Сентябрь 1985 Опубл. 06 Aug 1992	39.	<p>COATING METALLIC SURFACE - BY APPLYING METAL-CONTG. CERAMIC BASE LAYER, PTFE PRIMER AND CORROSION-PROTECTIVE LAYER OF FLUORINE-CONTG. POLYMER.</p> <p>Coating for metallic surfaces comprises a metal constituent-contg. ceramic base layer, an adhesion-improving F polymer-contg. primer as well as an anti-adhesive and corrosion-protective layer of F-contg. polymer. Optimum protection is achieved by placing an intermediate layer having a lower m.pt. than the adjacent layers between the primer layer and the anti-adhesive- and corrosion-protective layer. A top layer of F-contg. polymer forms the surface of the coating.</p> <p>USE/ADVANTAGE - The coating is partic. useful for protecting surfaces exposed to an aggressive environment contg. acidic or acid- or salt-contg. noxious materials, partic. reactors and channels traversed by noxious material-contg. flue gases, e.g. fining-, textile- and dyeing-plant and in protecting building pts. exposed to sea-water.</p>