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	Великобритания з. №1471977 МПК B32B-001/02;	Заявитель JONES & LAUGHLIN STEEL CORP з. № GB19740041525 дата подачи 1974.09.28 опубл. 1977-04-27 Приоритетные данные US19730401749 19730928 Аналоги JP50061381 (A) FR2245484 (A1) DE2446250 (A1)	1.	ORGANIC COATING OF METALLIC SUBSTRATES An abraded metallic substrate has successive coatings thereof of (1) vacuum vapour deposited zinc, (2) a vacuum vapour deposited layer of a metal, alloy or inorganic compound, and (3) a partially polymerised primer layer of a low-volatility organic monomer. In the preferred method, the metal in strip form passes through rollers 6, 7 into an evacuated chamber 2, is abraded with a rotating wire brush 10 before passing over a bath 11 of molten zinc and a bath 12 of molten barrier material. After passing over a cooling roll the organic compound is applied by roller coating then partially polymerised by an electron beam gun 16 before exiting through rollers 8, 9. The substrate is preferably steel. The barrier coating may be of Sn, Al, Al-based alloys, Al-Sn alloys, or silicon oxides, or may comprise a layer of Al on top of which is a layer of silicon oxide. Suitable primers include epoxy, acrylic and siliconised epoxy and acrylic resins, an acrylic ester being preferred. Suitable top coats which may be applied over the primer layer either inside or outside the chamber include polyester and heat curable acrylic and siliconised polyester and acrylic resins and polyfluorocarbons, and electron beam curable acrylic resins. The top coat may be cured at the same time that curing of the primer is completed.
	Великобритания з. № 2063103 МПК B05D1/36; B32B15/08; B32B27/30	Заявитель GEN ELECTRIC з. № GB19800033241 дата подачи 19801015 опубл. 1981-06-03 Приоритетные данные US19790095704 19791116 Аналоги DE3042606 (A1) FR2469218 (A1) JP56098164 (A)	2.	APPLYING FLUOROCARBON POLYMER COATINGS A coated article and a process for making the article which adapts the surfaces of the article for exposure to corrosive environments. The process comprises applying to a cleaned roughened surface of the article a porous metal alloy coating, applying one or more successive layers of a heat-curable fluorocarbon polymeric compound on the porous coating, and heat-curing the compound layer to provide a cured compound layer having a thickness sufficient to impregnate the pores and completely cover the outer surface of the porous metal alloy coating.
	Великобритания з. № 2203758 МПК B05D7/24C	Заявитель CENTRAL GLASS CO LTD з. № GB19880007428 дата подачи 19880328 опубл. 1988-10-26	3.	METHOD OF FORMING COATING FILM OF FLUORORESIN BY PHYSICAL VAPOR DEPOSITION In forming a coating film of a fluororessin, e.g. polytetrafluoroethylene, on a metallic or nonmetallic surface by a physical vapor deposition technique, problems attributed to the necessity of intensely heating or bombarding the

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	<p>ВЕЛИКОБРИТАНИЯ</p> <p>а.з. № 2248072-В</p> <p>МПК</p> <p>C23C-014/12; H01G-004/18; H05K-001/03; C23C-014/14</p>	<p>Заявитель</p> <p>GEC FERRANTI DEFENCE SYSTEMS</p> <p>з. № GB020712</p> <p>пр-т 22 -09- 1990</p> <p>опубл. 09 -03- 1994</p>	4.	<p>MFG. ELECTRICAL COMPONENTS WITH DIELECTRIC OVER CONDUCTOR - BY VACUUM EVAPORATING DIELECTRIC POLYMER ONTO CONDUCTOR THEN CURING.</p> <p>Components each with a layer of dielectric material on a conductive part are made by placing the part (1) in a chamber and evaporating a layer of dielectric polymer (2) onto the part in vacuo, curing the polymer and applying a conductive layer (3) over the dielectric layer.</p> <p>The evaporated polymer is pref. a member of the p-xylylene polymer series. The part and/or the conductive layer may be used as a mask for selectively removing parts of the dielectric layer. The part may be a capacitor of a wire so that a coaxial cable is formed, or may be a microstrip device, forming a matched transmission line. The part and conductive layer are e.g. of Au. The wire end may be left exposed for connection by thermocompression, ultrasonic bonding or conductive epoxy resin.</p> <p>ADVANTAGE - Permits controlled application of a uniform thin dielectric layer which is flexible and can be formed in situ.</p>
	<p>Великобритания</p> <p>3. № 2362845</p> <p>МПК</p> <p>B 65 D 65/42</p>	<p>Заявитель</p> <p>ALLEN TRISTAN, BRISKHAM PAUL; BACO CONSUMER PRODUCTS LTD.</p> <p>з. № 0013523.6</p> <p>Пр-т 02.06.2000</p> <p>Опубл. 05.12.2001</p>	5.	<p>ПИЩЕВАЯ АЛЮМИНИЕВАЯ ФОЛЬГА С ПРОТИВОПРИГАРНЫМ ПОКРЫТИЕМ. COATED BAKING FOIL</p> <p>На Al-фольгу наносят слой ПТФЭ или др. фторполимера и оплавляют его при температуре 340-480°.</p>
	<p>Великобритания</p> <p>3. № 2405111-A</p> <p>МПК</p>	<p>Заявитель</p> <p>HOLSCOT FLUOROPLASTICS LTD</p> <p>з. № GB019785</p>	6.	<p>FORMING FLUOROPOLYMER COATING ON ELONGATED METAL OBJECT, E.G. PRESSURE ROLLER FOR PHOTOCOPIER, BY APPLYING FIRST FLUOROPOLYMER COATING ON OBJECT,</p>

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	B05D-001/06; B05D-001/38; B32B-015/06; C08J-005/16	Пр-т 22-08- 2003 Опубл. 23 -02- 2005		<p>HEATING OBJECT AND PASSING OBJECT THROUGH EXTRUSION HEAD TO APPLY SECOND FLUOROPOLYMER COATING.</p> <p>NOVELTY - Formation of fluoropolymer coating on elongated metal object, e.g. pressure roller (1) for photocopier, includes applying a first fluoropolymer coating (2) on the object via powder coating or dispersion coating process, heating the object to a predetermined temperature to melt the applied coating, and passing the object and its melted coating through an extrusion head (5) to apply a second fluoropolymer coating (7).</p> <p>USE - For forming fluoropolymer coating on elongated metal object, e.g. fuser or pressure roller for photocopiers.</p> <p>ADVANTAGE - The inventive method forms a strong and durable fluoropolymer coating on metal object, giving a long life span in business machines such as photocopiers. The fluoropolymer coating can withstand high service temperature, e.g. up to 250 degrees C.</p>
	Великобритания а.з. № 2252333-В МПК C03C-003/06; C03C-003/076; C03C-017/22;	<p>Заявитель SPECTRA PHYSICS SCANNING SYSTEMS PSC SCANNING INC 3. № GB024521 Пр-т 19 -11-1991 Опубл. Аналоги US5594231-A; DE4201914-C2</p>	7.	<p>LASER SCANNER WINDOW WITH TRANSPARENT SUBSTRATE AND COATING SYSTEM - GIVING WEAR-RESISTANT OUTER SURFACE WITH LOW FRICTION COEFFT., USEFUL IN BAR CODE SCANNERS FOR SHOPS, ETC.</p> <p>Scanning window for a laser has a transparent substrate (I), which has 2 or more consecutive coatings to give a wear-resistant outer surface with low coefft. of friction. The coatings are (a) transparent hard material (II) and transparent lubricating material (III); (b) (II) and transparent metal oxide (IV); (c) (II), (III) and a transparent lubricating polymer (V), which reduces the coefft. of friction further; or (d) a mixt. of at least 2 transparent metal oxides (VI) and (III).</p> <p>Pref., (I) consists of borosilicate glass, soda-lime silicate glass (float glass), vitreous ceramic, quartz, almost-quartz and/or BK 7 glass. (II) is (a) AlN, ZrO₂, Y₂O₃, diamond film, diamond-like carbon Si₃N₄, BN and/or pref. Al₂O₃, or (b) a metal nitride, pref. Si₃N₄, AlN or BN and has a thickness of 50-10000 nm. (III) is diamond film, PTFE, polyethylene, SnO₂, In₂O₃, silicone polymers, BN, Al₂O₃ and/or pref. diamond-like carbon with a thickness of ca. 5-5000 nm. (IV) is ZrO₂, Y₂O₃, SnO₂, In₂O₃ and/or pref. Al₂O₃ in a thickness of 20-10000 nm. (V) consists of silicone polymers, PTFE and/or pref. polyethylene. (VI) contains Al₂O₃, ZrO₂, Y₂O₃, AlN, Si₃N₄, and/or BN and is less than 10000 nm thick.</p>

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	Великобритания в.з. № 2414425-А МПК F16C-033/20	Заявитель RAILKO LTD 3. № GB011996 Пр-т 28 -05- 2004 Опубл. 30 -11- 2005	8.	SURFACE COATING FOR COMPOSITE BEARINGS E.G. MARINE BEARING USEFUL IN STERN TUBE OF MARINE VESSEL COMPRISES FRICTION REDUCING COMPOUND SUSPENDED IN AN ADHESIVE. NOVELTY - A surface coating (C1) for composite bearing comprises friction-reducing compound suspended in an adhesive. USE - As surface coating for composite bearings e.g. marine bearing (claimed) useful in the stern tube of marine vessels and coating, and propeller shaft bearings. ADVANTAGE - The addition of thin, low friction film formed by suspending dry friction reducing compound in an adhesive allows generation of onset of hydrodynamic operation at an earlier stage. The composite material containing (C1) effectively corrects misalignment generated in the building of ship.
	Великобритания В.з. № 2189409-А МПК B32B-001/02; B32B-015/04	Заявитель CANNON INDS LTD 3. № GB009498 Пр-т 18 -04- 1986 Опубл. 28 -10-1987	9.	GLASS OR GLASS CERAMIC COATING ON METAL - IS DIRECTLY BONDED TO METAL AND COVERED BY FLUOROCARBON POLYMER. Coating comprises chemically resistant glass or glass ceramic directly bonded to the metal and a layer of fluorocarbon polymer over the coating. The coating may have two or more layers, with the first of less corrosion-resistant glass which provides a strong bond to the metal. The coating is pref. 0.5-20mm thick and the layer is of PTFE, PFA or FEP and is 0.025-0.05mm thick. The arrangement is partic. for protecting the inner surface of a carbon steel or cast iron vessel with a wall thickness of 5-35mm. ADVANTAGE - Improves chemical resistance of glass and extends service life of vessel.