

Title (en)

Process for the production of a hydrophilic coating on a moulded part, and razor manufactured by applying the process.

Title (de)

Verfahren zur Herstellung einer hydrophilen Beschichtung auf einem Formteil und unter Anwendung des Verfahrens hergestellter Rasierapparat.

Title (fr)

Procédé pour la production d'un revêtement hydrophile sur un élément moulé et rasoir fabriqué en faisant usage du procédé.

Publication

EP 0289996 A2 19881109 (DE)

Application

EP 88107114 A 19880504

Priority

- DE 3714971 A 19870506
- DE 3814135 A 19880427
- IN 540DE1988 A 19880621

Abstract (en)

A process for forming and applying a hydrophilic coating which has very low friction in the moist state to a razor, in which a solution containing a water-soluble polymer, in particular polyvinylpyrrolidone, is applied and cured. The razor is made of plastic, such as polystyrene or ABS, or of metal provided with a device which reduces the friction. The invention proposes that the solution applied to the moulding comprises a water-soluble polymer, in particular poly-N-vinylpyrrolidone or a copolymer thereof, one or more free radical-polymerisable vinylmonomers and a photoinitiator which decomposes on irradiation to form free radicals, and that the applied solution is exposed to UV irradiation for curing.

Abstract (de)

Es wird vorgeschlagen, daß die auf das Formteil aufgetragene Lösung aus dem wasserlöslichen Polymeren, insbesondere Poly-N-Vinylpyrrolidon oder einem Copolymeren hiervon, einem oder mehreren radikalisch polymerisierbaren Vinylmonomeren und einem bei Bestrahlung in Radikale zerfallenden Photoinitiator besteht, und daß die aufgetragene Lösung zur Aushärtung einer UV-Bestrahlung ausgesetzt wird.

IPC 1-7

B05D 5/08; **B05D 7/02**; **B05D 7/16**; **B05D 7/26**; **B26B 21/42**

IPC 8 full level

B05D 5/08 (2006.01); **B05D 7/02** (2006.01); **B05D 7/14** (2006.01); **B05D 7/16** (2006.01); **B05D 7/24** (2006.01); **B05D 7/26** (2006.01); **B26B 21/40** (2006.01); **B26B 21/42** (2006.01); **B26B 21/44** (2006.01); **C08J 5/12** (2006.01); **C08J 7/04** (2006.01)

IPC 8 main group level

B05D (2006.01)

CPC (source: EP US)

B05D 5/04 (2013.01 - EP US); **B05D 5/08** (2013.01 - EP US); **B26B 21/443** (2013.01 - EP US); **B05D 2201/00** (2013.01 - EP US); **B05D 2202/00** (2013.01 - EP US)

Cited by

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Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0289996 A2 19881109; **EP 0289996 A3 19900404**; **EP 0289996 B1 19911106**; AT E69181 T1 19911115; AU 1564688 A 19881110; AU 604883 B2 19910103; BR 8802196 A 19881206; CA 1328989 C 19940503; DD 284615 A5 19901121; DD 299278 A5 19920409; DE 3814135 A1 19881124; DE 3866008 D1 19911212; ES 2027340 T3 19920601; HK 62795 A 19950505; IL 86271 A0 19881115; IL 86271 A 19911121; IN 172419 B 19930717; JP 2631997 B2 19970716; JP S63294971 A 19881201; US 5005287 A 19910409

DOCDB simple family (application)

EP 88107114 A 19880504; AT 88107114 T 19880504; AU 1564688 A 19880505; BR 8802196 A 19880505; CA 565856 A 19880504; DD 32114488 A 19881027; DD 34090688 A 19881027; DE 3814135 A 19880427; DE 3866008 T 19880504; ES 88107114 T 19880504; HK 62795 A 19950427; IL 8627188 A 19880504; IN 540DE1988 A 19880621; JP 10923588 A 19880506; US 19062888 A 19880505