

Title (en)
Patterned release finish

Title (de)
Gemusterte Antihaft-Beschichtung

Title (fr)
Revêtement antiadhésif à motifs décoratifs

Publication
EP 1452242 A3 20060118 (EN)

Application
EP 04012916 A 19980903

Priority
• EP 98948081 A 19980903
• US 5814897 P 19970908
• US 14476698 A 19980901

Abstract (en)
[origin: EP1452242A2] Smooth, patterned substrates useful in producing decorative cookware are formed by coating a base with a mixture of fluoropolymer and magnetic flakes and magnetically inducing an image in the polymer coating composition. The baked fluoropolymer release coating contains magnetizable flakes, a portion of the flakes being oriented in the plane of the substrate and a portions of said flakes being magnetically reoriented to form a pattern in the coating which is observed in reflected light, the flakes having a longest dimension which is greater than the thickness of said coating. The patterned substrate is formed by applying magnetic force through the edges of a magnetizable die positioned under a coated base to induce an imaging effect or pattern. The coating composition is then cured resulting in a smooth surface, patterned nonstick finish on the substrate.

IPC 8 full level
B05D 3/14 (2006.01); **B05D 5/06** (2006.01); **B05D 5/08** (2006.01); **B32B 5/14** (2006.01); **B32B 15/08** (2006.01); **B32B 27/30** (2006.01)

CPC (source: EP)
B05D 3/207 (2013.01); **B05D 5/06** (2013.01); **B05D 5/083** (2013.01)

Citation (search report)
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• [A] EP 0406667 A1 19910109 - NIPPON PAINT CO LTD [JP]
• [A] US 4518626 A 19850521 - KATO MIKIHICO [JP], et al
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• [A] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 07 31 July 1997 (1997-07-31)
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