

Title (en)

Patterned release finish

Title (de)

Gemusterte Antihaft-Beschichtung

Title (fr)

Revêtement antiadhésif à motifs décoratifs

Publication

EP 1452242 A2 20040901 (EN)

Application

EP 04012916 A 19980903

Priority

- EP 98948081 A 19980903
- US 5814897 P 19970908
- US 14476698 A 19980901

Abstract (en)

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 1-7

B05D 3/14; B05D 5/06; B32B 5/14; B32B 15/08; B32B 27/30

IPC 8 full level

B05D 3/14 (2006.01); **B05D 5/06** (2006.01); **B05D 5/08** (2006.01)

CPC (source: EP)

B05D 3/207 (2013.01); **B05D 5/06** (2013.01); **B05D 5/083** (2013.01)

Cited by

CN102527615A; EP2468924A1; US7462387B2; WO2006066027A1; US9630206B2; US10463420B2; US11246645B2

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