Title (en)
Process for producing a selectively metallized foil, and their products

Title (de)
Verfahren zur Herstellung einer selektiv metallisierten Folie, und dessen Produkte

Title (fr)
Procédé de préparation d'un feuille métallisée sélectivement, et le produit correspondant

Publication
EP 1291463 B1 20141210 (DE)

Application
EP 02019580 A 20020902

Priority
DE 10143523 A 20010905

Abstract (en)
[origin: EP1291463A1] To give a selective metallizing to film materials, a carrier substrate (1) is prepared for the application of ink (2) which is partially soluble in a solvent, with recesses in the shape of a negative coding. The printed carrier film is treated by an in-line plasma or corona or flame process. A thin metal layer (4) is applied, and the ink is removed by a solvent combined with a mechanical action. The carrier substrate can be of a plastics or metal film, a nonwoven or paper. The covering layer can be an insulation or an actuator material.

IPC 8 full level
B41M 7/00 (2006.01); B42D 25/355 (2014.01); B42D 25/43 (2014.01); B44F 1/12 (2006.01); D06M 11/83 (2006.01); D06Q 1/04 (2006.01); D21H 19/02 (2006.01); D21H 21/40 (2006.01); D21H 21/42 (2006.01); D21H 23/22 (2006.01)

CPC (source: EP US)
B41M 7/0027 (2013.01 - EP US); B42D 25/355 (2014.10 - EP); B42D 25/43 (2014.10 - EP US); D06M 11/83 (2013.01 - EP); D06Q 1/04 (2013.01 - EP); D21H 21/42 (2013.01 - EP); B42D 2033/10 (2022.01 - EP)

Cited by
EP1746208A1; EP2177645A1; EP1516956A1; DE10350648A1; FR2937058A1; EP1516957A1; EP2135987A1; FR2932823A1; US7767591B2; GB2527764A; GB2527764B; EP2251207A1; GB2527763A; GB2527763B; EP2154084A1; EP2420391A2; WO2010130301A1; WO2005043965A3; WO2005082201A1; US8257792B2; EP2851194A1; WO2015039711A1; WO2010041226A1; WO2012153114A1; WO2014013410A1; US10583682B2; EP3337675B1; EP1972462B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)
EP 1291463 A1 20030312; EP 1291463 B1 20141210; DE 10143523 A1 20030327; DE 10143523 B4 20080821

DOCDB simple family (application)
EP 02019580 A 20020902; DE 10143523 A 20010905