Title (en)
   Coating process

Title (de)
   Beschichtungsverfahren

Title (fr)
   Procédé de revêtement

Publication
   EP 1314487 A3 20040616 (DE)

Application
   EP 02024369 A 20021102

Priority
   DE 10157881 A 20011126

Abstract (en)
   [origin: EP1314487A2] A process involves applying a material onto a substrate surface using an electrostatic charge. The substrate is located on a transport unit, and is electrostatically neutralized before it leaves the transport unit. The substrate is charged electrostatically before the material is applied by using an electrode, so the substrate is pressed against the transport unit. <??>A process involves applying a material onto a substrate surface using an electrostatic charge. The substrate is located on a transport unit, and is electrostatically neutralized before it leaves the transport unit. The substrate is charged electrostatically before the material is applied by using an electrode, so the substrate is pressed against the transport unit. The application unit consists of a nozzle, especially a wide slit nozzle, multi-channel nozzle or adapter nozzle. The transport unit voltage is 1-40 kV, especially 2-15 kV, and the substrate electrode consists of one or more individual electrodes. The material that is applied to the substrate consists of acrylate, natural rubber, synthetic rubber or EVA adhesive.

IPC 1-7
   B05D 1/04; B05D 1/26; B32B 31/00

IPC 8 full level
   B05D 1/26 (2006.01); B05D 1/00 (2006.01); B05D 3/14 (2006.01)

CPC (source: EP US)
   B05D 1/265 (2013.01 - EP US); B05D 1/007 (2013.01 - EP US); B05D 3/14 (2013.01 - EP US)

Citation (search report)
   • [E] EP 1304172 A2 20030423 - TESA AG [DE]
   • [A] US 5954907 A 19990921 - LAROSE JOSEPH A [US], et al
   • [A] EP 0764521 A2 19970326 - REIFENHAEUSER MASCH [DE]

Cited by
   DE102006023743A1; EP1645587A1; CN111373007A; WO2019086705A3

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 1314487 A2 20030528; **EP 1314487 A3 20040616**; **EP 1314487 B1 20051012**; DE 10157881 A1 20030605; DE 50204513 D1 20060223; ES 2250571 T3 20060416; US 2003138572 A1 20030724; US 6896936 B2 20050524

DOCDB simple family (application)
   EP 02024369 A 20021102; DE 10157881 A 20011126; DE 50204513 T 20021102; ES 02024369 T 20021102; US 29194402 A 20021111