

Title (en)  
Process for manufacturing an adhesion promoting layer

Title (de)  
Verfahren zur Herstellung von Haftvermittlerschichten

Title (fr)  
Procédure pour la fabrication d'une couche promotrice d'adhésion

Publication  
**EP 0949013 A3 20030416 (DE)**

Application  
**EP 99106117 A 19990401**

Priority  
DE 19815182 A 19980404

Abstract (en)  
[origin: EP0949013A2] Coupling agent layers are applied onto a strip material (1) by low pressure plasma polymerisation as the strip moves continuously through a plasma zone (3), the plasma being produced by electrical discharge, preferably a kHz, MHz or GHz discharge. An Independent claim is also included for a use of the coupling agent between the carrier strip (1) and adhesive on a single or double sided adhesive strip. Preferred features: A coupling agent coating is applied under a gas pressure of 10<-3> to 20 mbar and the electrical discharges are pulsed. The strip material moves at NOTLESS 0.1 m/min, preferably NOTLESS 50 m/min giving coating times NOTGREATER 1 minute, preferably NOTGREATER 1 second. The unwinding station (2), winding up station (9) and plasma zone (3) are housed in a vacuum chamber or the strip material can be guided through vacuum sluices into the plasma zone. The coupling agent is almost or completely transparent.

IPC 1-7  
**B05D 7/24**; **B05D 5/10**

IPC 8 full level  
**B05D 5/10** (2006.01); **B05D 7/24** (2006.01)

CPC (source: EP US)  
**B05D 1/62** (2013.01 - EP US)

Citation (search report)  
• [XY] DE 3521625 A1 19861218 - LEYBOLD HERAEUS GMBH & CO KG [DE]  
• [Y] US 5718967 A 19980217 - HU ING-FENG [US], et al  
• [Y] US 3814983 A 19740604 - WEISSFLOCH C, et al  
• [A] US 4563388 A 19860107 - BONK THOMAS J [US], et al

Cited by  
EP1129791A3; US6027777A; EP1212785A4

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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