

Title (en)

Hotmelt transfer material, process for making the material, and the use thereof

Title (de)

Hotmelt-Transfermaterial, Verfahren zu seiner Herstellung und dessen Verwendung

Title (fr)

Matière de hotmelt-transfert, procédé pour sa fabrication et son utilisation

Publication

EP 0850786 A3 19990428 (DE)

Application

EP 97810964 A 19971210

Priority

CH 320296 A 19961230

Abstract (en)

[origin: EP0850786A2] A hot melt transfer material (I) consists of a porous hot melt layer (II) applied to a support (III). (II) consists of fine thermoplastic polymer particles and a thermoplastic polymer based binder containing anchored microporous particles with a spontaneously wettable surface. Also claimed is the preparation of (I) by coating a dispersion containing particles, dissolved binder, precipitating agent and a solvent having a vapour pressure higher than that of the precipitating agent, onto the support (III) and drying with associated phase inversion and pore formation.

IPC 1-7

B44C 1/17; **D06Q 1/12**

IPC 8 full level

B44C 1/17 (2006.01); **D06P 5/24** (2006.01); **D06P 5/26** (2006.01); **D06Q 1/12** (2006.01)

CPC (source: EP)

B44C 1/1712 (2013.01); **D06P 5/003** (2013.01); **D06Q 1/12** (2013.01)

Citation (search report)

- [A] EP 0618079 A1 19941005 - MINNESOTA MINING & MFG [US]
- [A] US 5271990 A 19931221 - KRONZER FRANCES J [US], et al
- [AD] US 5242739 A 19930907 - KRONZER FRANCES J [US], et al
- [AD] US 5501902 A 19960326 - KRONZER FRANCIS J [US]
- [A] EP 0588716 A2 19940323 - MINNESOTA MINING & MFG [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 095, no. 001 28 February 1995 (1995-02-28)
- [A] PATENT ABSTRACTS OF JAPAN vol. 095, no. 003 28 April 1995 (1995-04-28)
- [A] DATABASE WPI Section Ch Week 9602, Derwent World Patents Index; Class A97, AN 96-016414, XP002095604
- [A] DATABASE WPI Section Ch Week 9621, Derwent World Patents Index; Class A89, AN 96-204599, XP002095605
- [A] PATENT ABSTRACTS OF JAPAN vol. 011, no. 128 (M - 583) 22 April 1987 (1987-04-22)
- [A] PATENT ABSTRACTS OF JAPAN vol. 012, no. 134 (M - 689) 23 April 1988 (1988-04-23)

Cited by

EP1138525A1; EP1285773A1; EP1184508A1; US10472293B2; US6716494B2; EP1829699A1; US6855381B2; WO0172532A1; WO0007821A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0850786 A2 19980701; **EP 0850786 A3 19990428**; **EP 0850786 B1 20020313**; CH 690711 A5 20001229; DE 59706605 D1 20020418

DOCDB simple family (application)

EP 97810964 A 19971210; CH 320296 A 19961230; DE 59706605 T 19971210