

Title (en)
Ink-receiving material and recording method

Title (de)
Farbstoffempfangsmaterial und Aufzeichnungsverfahren

Title (fr)
Matériau récepteur d'encre et méthode pour l'enregistrement

Publication
EP 1228889 A2 20020807 (EN)

Application
EP 02002349 A 20020131

Priority
GB 0102646 A 20010202

Abstract (en)
There is provided a recording material comprising in order:- 1) a sheet-like paper substrate; 2) at least one hydrophobic barrier layer; 3) at least one ink-receptive layer; 4) at least one porous sealing layer which comprises a dispersion of a particulate polymer characterised by a film forming temperature of between 60 DEG C and 140 DEG C and an average particle size between about 1 μ m and about 50 μ m together with at least one water-soluble polymer binder. There is also provided a method wherein an image printed with the ink jet printing process on the recording materials of the invention is heated after printing to seal the porous sealing layer by partly melting and softening the particulate polymer dispersion sufficiently for it to form a film to provide a image protecting coating.

IPC 1-7
B41M 5/00; **B41M 7/00**

IPC 8 full level
B41M 5/52 (2006.01); **B41M 7/00** (2006.01); **B41M 5/00** (2006.01)

CPC (source: EP)
B41M 5/502 (2013.01); **B41M 7/0027** (2013.01); **B41M 5/52** (2013.01)

Citation (applicant)

- US 5141599 A 19920825 - JAHN REINER [DE], et al
- EP 0893271 A1 19990127 - OCE TECH BV [NL]
- US 5670242 A 19970923 - ASANO SHINICHI [JP], et al
- US 5741584 A 19980421 - IMABEPPU KATSUYOSHI [JP], et al
- US 5952051 A 19990914 - ASANO SHINICHI [JP], et al
- US 6096157 A 20000801 - IMABEPPU KATSUYOSHI [JP], et al

Cited by
EP1839892A4; EP1647414A1; EP1403093A1; EP1403089A3; EP1574353A3; GB2410705A; GB2410705B; US7866811B2; US8778468B2; US6866381B2; WO2012087334A1; WO2022049286A1; US8927073B2; US10639923B2; EP2186839A1; US9278569B2; US9732474B2; US11034856B2; US11365325B2

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 1228889 A2 20020807; **EP 1228889 A3 20031126**; **EP 1228889 B1 20050928**; DE 60206305 D1 20060209; DE 60206305 T2 20060629; GB 0102646 D0 20010321; GB 2371769 A 20020807

DOCDB simple family (application)
EP 02002349 A 20020131; DE 60206305 T 20020131; GB 0102646 A 20010202