

Title (en)

Composition for forming an ink receiving layer and product using the same

Title (de)

Zusammensetzung zur Erzeugung einer Tintenempfangsschicht und daraus hergestelltes Produkt

Title (fr)

Composition pour la production d'une couche pour la réception d'encre et produit l'utilisant

Publication

EP 0940265 A3 20000712 (EN)

Application

EP 99301280 A 19990223

Priority

JP 6952398 A 19980304

Abstract (en)

[origin: EP0940265A2] To provide an ink for forming a receiving layer, said ink containing an agent to enhance an ink-jet ink-receiving property and to confer a phosphorescent property, and products which use said ink. The ink for forming a receiving layer according to the present invention has a receiving property to ink-jet inks and a phosphorescent property and enable to print or coat on substrates and to print with ink-jet inks on said ink, phosphorescent pigments used in said ink for forming a receiving layer being commercial pigments such as an N noctilucent phosphorescent pigment and an S noctilucent phosphorescent pigment, average particle size of said phosphorescent pigments being 0.5-50 μ m, most preferably 8-25 μ m. Water-absorptive or water-absorbing organic fillers or inorganic fillers can be mixed to said ink.

IPC 1-7

B41M 5/00

IPC 8 full level

C09D 5/00 (2006.01); **B41M 5/52** (2006.01); **C09D 11/02** (2014.01); **C09D 11/037** (2014.01); **C09D 11/322** (2014.01); **C09D 11/38** (2014.01); **B41M 5/00** (2006.01)

CPC (source: EP)

B41M 5/52 (2013.01); **B41M 5/5218** (2013.01); **B41M 5/5227** (2013.01)

Citation (search report)

- [XA] US 5270100 A 19931214 - GIGLIO ANTHONY J [US]
- [XA] US 5279058 A 19940118 - KOHN DANIEL K [CA]
- [PX] GB 2325184 A 19981118 - EASTMAN KODAK CO [US] & DE 19806068 A1 19980820 - EASTMAN KODAK CO [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 014, no. 407 (M - 1019) 4 September 1990 (1990-09-04)

Cited by

EP1247848A3; US6749773B2; US7699456B2; EP1458836A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 0940265 A2 19990908; **EP 0940265 A3 20000712**; **EP 0940265 B1 20041222**; CN 1190468 C 20050223; CN 1235179 A 19991117; DE 69922721 D1 20050127; DE 69922721 T2 20051201; HK 1023590 A1 20000915; JP H11246810 A 19990914; SG 80018 A1 20010417

DOCDB simple family (application)

EP 99301280 A 19990223; CN 99103433 A 19990304; DE 69922721 T 19990223; HK 00102815 A 20000510; JP 6952398 A 19980304; SG 1999001048 A 19990302