

Title (en)

Ink-receiving layers.

Title (de)

Tinte empfangende Schichten.

Title (fr)

Couches réceptrices d'encre.

Publication

EP 0609930 A1 19940810 (EN)

Application

EP 94200124 A 19940119

Priority

- EP 94200124 A 19940119
- EP 93200250 A 19930201

Abstract (en)

An ink-jet recording element is provided comprising a polymeric film substrate or a resin coated paper substrate and at least one ink-receiving layer coated thereon comprising at least one binder and at least one mordanting agent characterised in that said mordanting agent comprises a polymer containing a phosphonium moiety. Preferably said mordanting agent consists of a copolymer of ethylenically unsaturated monomers containing a phosphonium moiety co-polymerised with N-vinyl imidazole or 2-methyl-2-vinyl imidazole and optionally other co-polymerisable monomers or of a mixture of from 5 to 70 % by weight, of a polymer containing a phosphonium moiety, and obtained by homo- or co-polymerisation of ethylenically unsaturated monomers and from 30 to 95% by weight, of a second polymer, which is free from cationic groups and has been obtained by homo- or co-polymerisation of N-vinyl imidazole or 2-methyl-2-vinyl imidazole and optionally other co-polymerisable monomers.

IPC 1-7

B41M 5/00

IPC 8 full level

B41M 5/52 (2006.01)

CPC (source: EP)

B41M 5/5245 (2013.01)

Citation (search report)

- [A] EP 0306564 A1 19890315 - AGFA GEVAERT NV [BE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 13, no. 143 (M - 811)<3491> 7 April 1989 (1989-04-07)

Cited by

US6190831B1; US6190830B1; US6410202B1; GB2380696A; GB2380696B; EP0732218A1; EP1238815A3; EP0745488A1; US5958579A; US6890609B2; US6177177B1; WO0216143A1; EP3736312A1; EP3736311A1; WO2020224794A1; WO2020225073A1

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