

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  
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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.

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IPC 8 full level  
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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; US6410202B1; US6190830B1; GB2380696A; GB2380696B; EP0732218A1; EP1238815A3; EP0745488A1; US5958579A; US6890609B2; US6177177B1; WO0216143A1; EP3736312A1; EP3736311A1; WO2020224794A1; WO2020225073A1

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