

Title (en)

Inkjet-printing sheet

Title (de)

Tintenstrahldruckblatt

Title (fr)

Feuille pour l'impression par jet d'encre

Publication

EP 0952005 A1 19991027 (EN)

Application

EP 98303171 A 19980424

Priority

EP 98303171 A 19980424

Abstract (en)

The inkjet-printing sheet has an ink-bearing layer made of an acrylic copolymer having (a) at least one structural unit having a hydrophilic group, (b) a structural unit having a quaternary ammonium group, and (c) a structural unit formed from a hydrophobic monomer or a monomer having a hydrophobic group having 4 or more carbon atoms. The structural unit (a) is constituted by (i) a structural unit formed from at least one monomer selected from the group consisting of aliphatic carboxylic acids or anhydrides thereof, acrylamides, acrylic monomers having phosphoric groups and vinylpyrrolidones, and optionally (ii) a structural unit having a hydroxyl group and/or an ether bond. When used as a transfer sheet, it has a support layer, a parting layer, an ultraviolet-absorbing layer and an ink-bearing layer in this order.

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 5/506 (2013.01); **B41M 5/5254** (2013.01); **B41M 7/0027** (2013.01); **B41M 5/5245** (2013.01)

Citation (search report)

- [X] GB 2213078 A 19890809 - OJI PAPER CO [JP]
- [X] US 4830911 A 19890516 - KOJIMA YUTAKA [JP], et al
- [X] EP 0767071 A1 19970409 - OJI PAPER CO [JP]
- [X] EP 0819546 A1 19980121 - CANON KK [JP]
- [X] PATENT ABSTRACTS OF JAPAN vol. 013, no. 477 (M - 885) 27 October 1989 (1989-10-27)
- [A] PATENT ABSTRACTS OF JAPAN vol. 097, no. 010 31 October 1997 (1997-10-31)

Cited by

EP1138514A3; EP1153758A4; EP0995611A3; EP1358069A4; US6652931B1; US7521101B2; US6881458B2; US6720042B2; WO2005011993A3; US7025453B2; US6846075B2; US6589636B2; US6793859B2; US6800341B2; US6896944B2

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