

Title (en)

Recording material for the ink-jet printing process

Title (de)

Aufzeichnungsmaterial für das Ink Jet Druckverfahren

Title (fr)

Matériau d'enregistrement convenable pour le procédé d'impression par jet d'encre

Publication

EP 0764546 B1 20000426 (DE)

Application

EP 96114450 A 19960910

Priority

DE 19535072 A 19950921

Abstract (en)

[origin: EP0764546A1] A recording material for ink jet printing, comprises a base(A) and a pigment-contg. ink-absorbing layer (B) contg. a carbonyl gp.-modified gelatin (I) with a residual content of up to 50 mole% free amino gps. Pref. (I) is succinic acid-modified gelatin, esp. pref. acid-degraded pig-skin gelatin. Pref. pigment comprises colloidal aluminium-modified silica, in a (pigment):(gelatin) ratio of (1:0.4)-(1:20). Layer (B) contains a cationic dicyandiamide copolymer.

IPC 1-7

B41M 5/00

IPC 8 full level

B41M 5/00 (2006.01); **B41M 5/50** (2006.01); **B41M 5/52** (2006.01); **D21H 19/50** (2006.01)

CPC (source: EP US)

B41M 5/52 (2013.01 - EP US); **B41M 5/5218** (2013.01 - EP US); **B41M 5/5236** (2013.01 - EP US); **B41M 5/5245** (2013.01 - EP US); **Y10T 428/257** (2015.01 - EP US); **Y10T 428/31775** (2015.04 - EP US)

Citation (examination)

EP 0298424 A2 19890111 - ASAHI GLASS CO LTD [JP]

Cited by

US6420039B1; EP1034940A1; EP0830952A3; DE10361247A1; DE19721238A1; DE19721238C2; US6492005B1; WO0020221A1; WO9852765A1; WO2005063900A3

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0764546 A1 19970326; **EP 0764546 B1 20000426**; AT E192085 T1 20000515; DE 19535072 A1 19970327; DE 19535072 C2 19971211; DE 19535072 C3 20020124; DE 59605029 D1 20000531; DK 0764546 T3 20000828; ES 2147879 T3 20001001; JP H09226232 A 19970902; US 6114030 A 20000905

DOCDB simple family (application)

EP 96114450 A 19960910; AT 96114450 T 19960910; DE 19535072 A 19950921; DE 59605029 T 19960910; DK 96114450 T 19960910; ES 96114450 T 19960910; JP 27152396 A 19960920; US 71503696 A 19960917