

Title (en)

Pressure sensitive record systems.

Title (de)

Druckempfindliche Aufzeichnungsmaterialien.

Title (fr)

Matériaux d'enregistrement sensibles à la pression.

Publication

EP 0086636 A1 19830824 (EN)

Application

EP 83300687 A 19830211

Priority

JP 2182582 A 19820213

Abstract (en)

A pressure-sensitive record system comprises a donor composition and an acceptor composition which react under pressure to generate a coloured image or print, in which the donor composition comprises microcapsules containing a solution in a high-boiling solvent (preferably an aromatic hydrocarbon solvent) of an electron-donating colourless dye and the acceptor composition comprises activated clay and an aryl or alkyl ester of p-hydroxybenzoic acid. Record systems produced using this combination of specific donor and acceptor compositions have a high rate of colour development, a high stability of the coloured images formed, and stability of unprinted background portions, particularly on exposure to sunlight and atmospheric oxidizing gases, and consequently a long shelf life. The record system is preferably of the transfer type in the form of a manifold containing a CB-sheet coated with the donor composition and a CF-sheet coated with the acceptor composition and possibly one or more interposed CFB-sheets coated on opposite sides with the two compositions.

IPC 1-7

B41M 5/12

IPC 8 full level

B41M 5/155 (2006.01); **B41M 5/165** (2006.01)

CPC (source: EP)

B41M 5/155 (2013.01)

Citation (search report)

- [Y] GB 1531121 A 19781101 - FUJI PHOTO FILM CO LTD
- [Y] DE 3114681 A1 19820114 - JUJO PAPER CO LTD [JP]
- [Y] DE 3036879 A1 19810416 - CIBA GEIGY AG [CH]
- [Y] EP 0015133 A2 19800903 - MITSUBISHI PAPER MILLS LTD [JP]
- [Y] CHEMICAL ABSTRACTS, vol. 85, no. 4, 26th July 1976, page 411, no. 27399d, Columbus Ohio (USA); & JP - A - 75 16 969 (PILOT PEN CO., LTD.) (17-06-1975)
- [Y] JAPANESE PATENTS REPORTS, vol. 79, no. 37, Section G, 6th-12th September 1979, Issued 12th October 1979, Derwent Publications, London (GB); & JP - A - 79 027 770 (MIZUSAWA IND. CHEMICALS LTD.) (12-09-1979)

Cited by

US5464803A; DE3633116A1; US5281266A; US5472489A; US5605874A; US5476829A; EP0714786A1; EP0697293A1

Designated contracting state (EPC)

BE DE FR GB

DOCDB simple family (publication)

EP 0086636 A1 19830824; EP 0086636 B1 19850911; DE 3360745 D1 19851017; JP S58138689 A 19830817

DOCDB simple family (application)

EP 83300687 A 19830211; DE 3360745 T 19830211; JP 2182582 A 19820213