

Title (en)

Pressure-sensitive recording material containing natural oils and/or their derivatives.

Title (de)

Druckempfindliches Aufzeichnungsmaterial, das natürliche Öle und/oder Derivate davon enthält.

Title (fr)

Matériau d'enregistrement sensible à la pression contenant des huiles naturelles ou leur dérivés.

Publication

EP 0672540 A1 19950920 (DE)

Application

EP 95103166 A 19950306

Priority

DE 4409265 A 19940318

Abstract (en)

The novel feature in a pressure-sensitive recording material contg. micro-encapsulated, solvent-dissolved 3.1-benzoxazine colour donors of formula (I) is that the solvent is (or contains) one or more natural oils and/or fatty acid-based esters of natural oils. In (I), A = X<2>-pC₆H₄- or a gp. of formula (II); B = a gp. of formula (II) or (R<6>)(R<7>)N-pC₆H₄-; X<1> = H, halogen, NO₂, CN, 1-4C alkyl, OR<8> or NR<9>R<10>; X<2> = H, halogen, 1-4C alkyl or -OR<8>; R<1>-R<3> = H, halogen, 1-4C alkyl or -OR<8>; R<4>-R<10> = 1-8C alkyl, cyclohexyl, benzyl or phenyl, with -NR<6>R<7> and -NR<9>R<10> opt. also being pyrrolidino, piperidino or morpholino; with the proviso that the following combinations of values does not occur: A = X<2>-pC₆H₄-; B = (R<6>)(R<7>)N-pC₆H₄-; X<1> = dimethylamino; X<2> = MeO; R<3> = H; R<6> and R<7> = Et; and one of R<1> and R<2> = Me and the other = H.

Abstract (de)

Besonders vorteilhaftes und umweltverträgliches Aufzeichnungsmaterial enthält in mikroverkapselter Form in einem Lösungsmittel gelöst mindestens einen 3,1-Benzoxazin-Farbgeber und ist dadurch gekennzeichnet, daß das Lösungsmittel aus einem oder mehreren natürlichen Ölen und/oder einem oder mehreren Estern der natürlichen Ölen zugrundeliegenden Fettsäuren besteht oder es solche Öle und/oder Ester enthält.

IPC 1-7

B41M 5/136; **B41M 5/165**; **B41M 5/145**

IPC 8 full level

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CPC (source: EP US)

B41M 5/136 (2013.01 - EP US); **B41M 5/145** (2013.01 - EP US); **B41M 5/1655** (2013.01 - EP US); **B41M 5/1455** (2013.01 - EP US)

Citation (search report)

- [AD] EP 0573210 A2 19931208 - WIGGINS TEAPE GROUP LTD [GB]
- [AD] DE 4010641 A1 19911010 - BAYER AG [DE]
- [AD] EP 0316277 A2 19890517 - CIBA GEIGY AG [CH]

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