

Title (en)

Clay mineral-type color developer composition for pressure-sensitive recording sheets.

Title (de)

Ton als Farbentwicklerzusammensetzung für druckempfindliche Kopierblätter.

Title (fr)

Composition d'argile révélatrice de couleurs pour feuilles d'enregistrement sensibles à la pression.

Publication

**EP 0144472 A1 19850619 (EN)**

Application

**EP 83307430 A 19831206**

Priority

EP 83307430 A 19831206

Abstract (en)

A color developer composition for pressure-sensitive recording sheets, comprising (1) a color developer which is derived from a clay mineral having a layer structure composed of regular tetrahedrons of silica and which shows (A) a diffraction pattern attributable to the crystals of a layer structure composed of regular tetrahedrons of silica when subjected to an electron diffraction analysis, but (B) substantially no diffraction pattern attributable to the crystals of said layer structure when subjected to an X-ray diffraction analysis, and which (C) contains at least silicon and magnesium and/or aluminium in addition to oxygen, and (2) 0.2 to 2 millimoles, per gram of the components (1) and (2) combined, of at least one metal compound selected from the group consisting of the oxides and hydroxides of calcium, magnesium and zinc. The composition optionally further includes a color developer composed of a dioctahedral montmorillonite clay mineral treated with an acid or a mixture of it with a naturally occurring dioctahedral montmorillonite clay mineral.

IPC 1-7

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IPC 8 full level

**B41M 5/155** (2006.01)

CPC (source: EP)

**B41M 5/1555** (2013.01)

Citation (search report)

- [YD] EP 0044645 A1 19820127 - MIZUSAWA INDUSTRIAL CHEM [JP]
- [Y] GB 2060017 A 19810429 - OJI PAPER CO
- [Y] PATENTS ABSTRACTS OF JAPAN, vol. 4, no. 154 (M-38)[636], 28th October 1980, page 16 M 38; & JP - A - 55 103 994 (MIZUSAWA KAGAKU KOGYO K.K.) 08-08-1980
- [Y] PATENTS ABSTRACTS OF JAPAN, vol. 5, no. 193 (M-101)[865], 9th December 1981; & JP - A - 56 115 293 (FUJI SHASHIN FILM K.K.) 10-09-1981
- [Y] PATENTS ABSTRACTS OF JAPAN, vol. 4, no. 143 (M-35), 8th October 1980, page 146 M 35; & JP - A - 55 97 982 (FUJI SHASHIN FILM K.K.) 25-07-1980
- [A] PATENTS ABSTRACTS OF JAPAN, vol. 7, no. 92 (M-208)[1237], 16th April 1983; & JP - A - 58 16 885 (MIZUSAWA KAGAKU KOGYO K.K.) 31-01-1983

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