

Title (en)
HEAT SENSITIVE RECORDING MATERIALS

Publication
EP 0123224 B1 19880629 (EN)

Application
EP 84104136 A 19840412

Priority
• JP 6504383 A 19830413
• JP 11475283 A 19830624
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• JP 16901583 A 19830913

Abstract (en)
[origin: EP0123224A2] A heat sensitive recording material comprising a support and a recording layer formed thereon, the recording layer containing (a) a diazo compound, (b) a coupling component and (c) a coloring activator, as the three main components, at least one of the three components (a) to (c) being present in microcapsules and the wall of the microcapsules being composed of a polymer formed around the material encapsulated by a polymerization of reactants. By incorporating a part of the main components in microcapsules, the shelf life of the heat sensitive recording material is greatly improved and when the wall of the microcapsules is formed by the polymerization of reactants around the material encapsulated, the reactive component in the microcapsules immediately passes through the capsule wall upon heating to cause coloration.

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G03C 1/76; **G03C 1/52**

IPC 8 full level
G03C 1/00 (2006.01); **G03C 1/52** (2006.01)

CPC (source: EP)
G03C 1/002 (2013.01); **G03C 1/52** (2013.01)

Cited by
GB2158958A; EP0352122A3; US5089371A; EP0323887A3; EP0118846A3; GB2206218A; US4598035A; EP0754564A3; US5876898A; EP0337734A3; US5236800A

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