

Title (en)
TWO-COMPONENT DIAZO TYPE MATERIAL

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Application
EP 84101944 A 19840224

Priority
DE 3307364 A 19830302

Abstract (en)
[origin: ES8503862A1] The present invention relates to a two-component diazotype material comprising a support and one or several light-sensitive layers, each of which contains at least one light-sensitive diazonium salt, a coupler component and an acid stabilizer, and at least one of the layers contains a compound which absorbs light in the ultraviolet spectral region. The light-absorbing compound is present in the form of a dye salt of at least one benzothiazole which is converted into its leuco base under the action of an alkaline medium. It thus partially or completely loses its absorptivity toward radiation in the long-wave ultraviolet and short-wave visible spectral regions. The light-absorbing compound comprises a benzothiazole, in particular according to the general formula: < IMAGE > wherein R1 denotes hydrogen, alkyl or aralkyl, R2 denotes hydrogen or an optionally substituted alkyl, aralkyl, aryl, pyridylalkyl, carbalkyl, carboxyalkyl, carboxyaryl, carbamoyl, or sulfamoyl radical, or R1 and R2 denote members of a heterocyclic radical, and R3 denotes hydrogen or alkyl.

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G03C 1/60

IPC 8 full level
G03C 1/52 (2006.01); **G03C 1/60** (2006.01); **G03C 1/61** (2006.01)

CPC (source: EP US)
G03C 1/61 (2013.01 - EP US)

Cited by
EP0700906A1; US8236282B2; US8691185B2; US9134328B2; WO0216333A3; US7351401B2; US9833458B2; US7270800B2; US7854920B2; US8404213B2; US8911707B2; US9808541B2; US10137210B2; EP1954287B2

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