

Title (en)
PHOTOSENSITIVE IMAGING MEMBER AND METHOD

Publication
EP 0014061 B1 19830406 (EN)

Application
EP 80300132 A 19800115

Priority
US 313979 A 19790115

Abstract (en)
[origin: EP0014061A1] A photosensitive imaging member (10) comprises, in order, a support substrate (12); a layer of a charge-injecting material (14); a layer of a charge transporting material (16) into which charges can be injected by the charge-injecting material (14); a layer of a charge-generating material (18) capable of injecting photo-generated charges into, and receiving charges from the charge transporting material (16); a charge-trapping layer (19); and an insulating overlayer (20). The charge-trapping layer preferably contains nitrogen-containing electron-donating molecules, such as aromatic amines having one of the following formulae: <CHEM> wherein Z is Ar or R, Ar being an aromatic radical or a substituted aromatic radical, and R being an aliphatic radical or a substituted aliphatic radical.

IPC 1-7
G03G 5/14

IPC 8 full level
G03G 5/02 (2006.01); **G03G 5/043** (2006.01); **G03G 5/06** (2006.01)

CPC (source: EP US)
G03G 5/043 (2013.01 - EP); **G03G 5/06142** (2020.05 - EP US); **G03G 5/061443** (2020.05 - EP US)

Cited by
EP0186415A3; US4490452A; EP0456979A1

Designated contracting state (EPC)
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EP 0014061 A1 19800806; EP 0014061 B1 19830406; AU 537005 B2 19840531; AU 5425379 A 19800724; CA 1132398 A 19820928; DE 3062560 D1 19830511; JP S55100559 A 19800731

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EP 80300132 A 19800115; AU 5425379 A 19791228; CA 340673 A 19791127; DE 3062560 T 19800115; JP 15672479 A 19791203