

Title (en)

LASER ADDRESSABLE THERMOGRAPHIC ELEMENTS

Title (de)

LASERADRESSIERBARE THERMOGRAPHISCHE ELEMENTE

Title (fr)

ELEMENTS THERMOGRAPHIQUES ADRESSABLES AU LASER

Publication

EP 0783726 B1 20000308 (EN)

Application

EP 95927547 A 19950801

Priority

- US 9509659 W 19950801
- US 31301194 A 19940927

Abstract (en)

[origin: WO9610213A1] A thermographic imaging element containing a substrate which is coated on at least one surface thereof with a thermographic imaging system having at least one layer containing light-insensitive organic silver salt; reducing agent for silver ion; a binder; toner; and a dye which absorbs radiation in the wavelength range of about 750-1100 nm. Preferably, there is a layer adjacent to the one containing the light-insensitive organic silver salt, etc., which contains binder and additional dye which absorbs radiation in the range of about 750-1100 nm. When the thermographic imaging element is exposed to radiation of 750-1100 nm of 0.10-2.0 joules/cm² for 0.20-200 microseconds, an image density of about 1.0 or greater is formed. When imaging a thermographic imaging element with radiation-absorbing dye in both adjacent layers or only the layer containing binder and dye, the radiation is directed through the layer containing the light-insensitive organic silver salt, etc., before striking the adjacent layer containing radiation-absorbing dye and binder.

IPC 1-7

G03C 1/498

IPC 8 full level

B41M 5/28 (2006.01); **B41M 5/30** (2006.01); **B41M 5/323** (2006.01); **B41M 5/337** (2006.01); **B41M 5/46** (2006.01); **G03C 1/498** (2006.01)

CPC (source: EP KR)

G03C 1/498 (2013.01 - KR); **G03C 1/4989** (2013.01 - EP)

Designated contracting state (EPC)

BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

WO 9610213 A1 19960404; BR 9509042 A 19970930; CA 2197469 A1 19960404; CN 1158660 A 19970903; DE 69515496 D1 20000413; DE 69515496 T2 20000914; EP 0783726 A1 19970716; EP 0783726 B1 20000308; IL 115056 A0 19951208; JP H10506339 A 19980623; KR 970706523 A 19971103; MX 9702044 A 19970628

DOCDB simple family (application)

US 9509659 W 19950801; BR 9509042 A 19950801; CA 2197469 A 19950801; CN 95195324 A 19950801; DE 69515496 T 19950801; EP 95927547 A 19950801; IL 11505695 A 19950824; JP 51172695 A 19950801; KR 19970702019 A 19970327; MX 9702044 A 19950801