

Title (en)

Photosensitive composition, original plate using the same for lithographic printing, and method for producing images on original plate

Title (de)

Photoempfindliche Zusammensetzung, lithographische Druckplatte und Bildaufzeichnungsverfahren für Druckplatte

Title (fr)

Composition photosensible, plaque lithographique et procédé pour la production d'une image sur une plaque d'impression

Publication

EP 1157829 B8 20061220 (EN)

Application

EP 01111963 A 20010521

Priority

JP 2000152011 A 20000523

Abstract (en)

[origin: EP1157829A1] The present invention relates to a lithographic printing plate in which images can be inscribed by laser beams, and which has high resolving power, high sensitivity, and the improved reservation stability, and relates to its image-producing method, and a photosensitive composition which can preferably be used as an original plate for lithographic printing. The photosensitive composition includes an aqueous resin composition including fine particles (a) of a resin having at least one neutralized anionic group and having a heat fusion property, and a water soluble resin (b) having at least one neutralized anionic group, wherein the water soluble resin (b) is included in a range of 1 to 30% by weight, relative to the total weight of the aqueous resin composition; and a substance (c) which absorbs light and generates heat.

IPC 8 full level

B41C 1/055 (2006.01); **B41C 1/10** (2006.01); **B41M 5/36** (2006.01); **B41N 1/14** (2006.01); **C08L 101/12** (2006.01); **C08L 101/14** (2006.01); **G03F 7/00** (2006.01); **G03F 7/004** (2006.01); **G03F 7/032** (2006.01)

CPC (source: EP US)

B41C 1/1008 (2013.01 - EP US); **B41C 2210/02** (2013.01 - EP US); **B41C 2210/04** (2013.01 - EP US); **B41C 2210/06** (2013.01 - EP US); **B41C 2210/22** (2013.01 - EP US); **B41C 2210/24** (2013.01 - EP US); **Y10S 430/145** (2013.01 - EP US)

Cited by

EP2101218A1; EP2072570A1; EP2095948A1; US7153627B2; US8778590B2; EP1462252A1; EP1462247A1; US7455953B2

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

EP 1157829 A1 20011128; **EP 1157829 B1 20060809**; **EP 1157829 B8 20061220**; DE 60122053 D1 20060921; DE 60122053 T2 20070301; JP 2001330946 A 20011130; JP 4469927 B2 20100602; US 2002001773 A1 20020103; US 6627380 B2 20030930

DOCDB simple family (application)

EP 01111963 A 20010521; DE 60122053 T 20010521; JP 2000152011 A 20000523; US 86045901 A 20010521