

Title (en)

Device for making a printing image by using a laser

Title (de)

Vorrichtung zur Herstellung eines Druckbildes mittels eines Lasers

Title (fr)

Dispositif pour créer une image d'impression au moyen d'un laser

Publication

EP 1591240 B1 20070530 (DE)

Application

EP 05009078 A 20050426

Priority

DE 102004021491 A 20040430

Abstract (en)

[origin: EP1591240A2] The device produces a print impression (8) on a print cylinder (1) by means of a laser whose laser writing head (7) fixed on a crosshead (3) moves parallel to the cylinder axis. By this means, space-saving secure functioning is achieved, so that a protective switch (10) on the crosshead can transmit the presence of the cylinder. The crosshead contains two switch bars (5,6) which leave a space (b) the width of the print impression for the laser head to move and which work together with a further protective switch (11) on the head to turn off the laser outside the laser head deployment area.

IPC 8 full level

B41C 1/05 (2006.01); **G03F 7/20** (2006.01); **B41C 1/10** (2006.01)

CPC (source: EP US)

B41C 1/05 (2013.01 - EP US); **B41C 1/1075** (2013.01 - EP US); **B41C 1/1083** (2013.01 - EP US)

Designated contracting state (EPC)

CH DE FR GB LI

DOCDB simple family (publication)

EP 1591240 A2 20051102; **EP 1591240 A3 20051221**; **EP 1591240 B1 20070530**; CN 100522630 C 20090805; CN 1693086 A 20051109; DE 102004021491 B3 20051027; DE 502005000763 D1 20070712; JP 2005316490 A 20051110; JP 4209861 B2 20090114; US 2005274268 A1 20051215; US 7331288 B2 20080219

DOCDB simple family (application)

EP 05009078 A 20050426; CN 200510066768 A 20050430; DE 102004021491 A 20040430; DE 502005000763 T 20050426; JP 2005130548 A 20050427; US 11741605 A 20050429