

Title (en)
DEVICE AND METHOD FOR POSITIONING A SUBSTRATE TO BE PRINTED

Title (de)
VORRICHTUNG UND VERFAHREN ZUM POSITIONIEREN EINES ZU BEDRUCKENDEN SUBSTRATS

Title (fr)
PROCEDE ET DISPOSITIF POUR POSITIONNER UN SUBSTRAT A IMPRIMER

Publication
EP 1511629 A2 20050309 (DE)

Application
EP 03752760 A 20030516

Priority
• DE 10222119 A 20020517
• EP 0305200 W 20030516

Abstract (en)
[origin: WO03097357A2] The invention relates to a device and a method for positioning a substrate (4) that is lying on a screen table (2) to be printed according to a screen printing process in relation to the printing pattern of the screen (3) of the screen printing device. Once the substrate (4) has been laid on and fixed to the screen table (2) and the screen (3) has been placed in the approximate printing position, the face of the screen (3) that points towards the screen table (2) is illuminated from the direction of the screen table (2) and at least one predetermined edge section (6) of the substrate (4) is detected photoelectrically from said screen table (2). Once the detection signals have been evaluated, the desired position of the screen (3) is adjusted in relation to the actual position of the substrate (4) and printing then commences.

IPC 1-7
B41F 15/08

IPC 8 full level
B41F 15/36 (2006.01); **B41F 15/16** (2006.01); **H05K 3/12** (2006.01)

CPC (source: EP US)
B41F 15/16 (2013.01 - EP US); **B41P 2215/11** (2013.01 - EP US)

Citation (search report)
See references of WO 03097357A2

Cited by
CN102615950A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 03097357 A2 20031127; WO 03097357 A3 20040610; AT E491572 T1 20110115; CN 1323834 C 20070704; CN 1642739 A 20050720; DE 10222119 A1 20031204; DE 10222119 B4 20041111; DE 50313326 D1 20110127; DK 1511629 T3 20110314; EP 1511629 A2 20050309; EP 1511629 B1 20101215; ES 2357891 T3 20110503; JP 2005525953 A 20050902; JP 4262675 B2 20090513; PT 1511629 E 20110104; US 2005166772 A1 20050804; US 7225734 B2 20070605

DOCDB simple family (application)
EP 0305200 W 20030516; AT 03752760 T 20030516; CN 03806737 A 20030516; DE 10222119 A 20020517; DE 50313326 T 20030516; DK 03752760 T 20030516; EP 03752760 A 20030516; ES 03752760 T 20030516; JP 2004504727 A 20030516; PT 03752760 T 20030516; US 51516604 A 20041117