

Title (en)
SCREEN PRINTING MACHINE

Title (de)
SIEBDRUCKMASCHINE

Title (fr)
MACHINE DE SÉRIGRAPHIE

Publication
EP 3804991 A4 20210526 (EN)

Application
EP 18921910 A 20180604

Priority
JP 2018021355 W 20180604

Abstract (en)
[origin: EP3804991A1] A screen printing machine includes a mask holding device configured to hold a mask; a squeegee device configured to apply and spread cream solder from above to the mask held by the mask holding device; a conveyance device configured to convey a board below the mask; a board holding-lifting-lowering device configured to hold the board conveyed by the conveyance device and perform positioning in an upward-downward direction with respect to the mask; a cleaning device configured to wipe and clean a lower surface of the mask; an imaging device configured to image a reference mark of the mask and a reference mark of the board; a driving device configured to move the imaging device and the cleaning device between the mask and the board holding-lifting-lowering device; and a control device configured to control each of the devices, set a lifting and lowering section of the board holding-lifting-lowering device to a reference height in accordance with a size of the imaging device, and lower the lifting and lowering section from the reference height in accordance with a size of the cleaning device when the cleaning device is moved.

IPC 8 full level
B41F 15/12 (2006.01); **B41F 15/08** (2006.01); **B41F 15/26** (2006.01); **B41F 35/00** (2006.01); **H05K 3/12** (2006.01)

CPC (source: EP)
B41F 15/0881 (2013.01); **B41F 15/26** (2013.01); **B41F 35/005** (2013.01); **B41P 2215/114** (2013.01); **B41P 2215/50** (2013.01)

Citation (search report)

- [XY] EP 2039511 A1 20090325 - YAMAHA MOTOR CO LTD [JP]
- [YD] JP 2015080870 A 20150427 - FUJI MACHINE MFG
- See references of WO 2019234791A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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BA ME

DOCDB simple family (publication)
EP 3804991 A1 20210414; **EP 3804991 A4 20210526**; **EP 3804991 B1 20220914**; CN 112218761 A 20210112; CN 112218761 B 20220729; JP 7002181 B2 20220120; JP WO2019234791 A1 20210311; WO 2019234791 A1 20191212

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EP 18921910 A 20180604; CN 201880094187 A 20180604; JP 2018021355 W 20180604; JP 2020523855 A 20180604