

Title (en)
SOLDERING DEVICE, SOLDERING SYSTEM AND METHOD

Title (de)
LÖTVORRICHTUNG, LÖTANLAGE UND VERFAHREN

Title (fr)
DISPOSITIF DE BRASAGE, INSTALLATION DE BRASAGE ET PROCÉDÉ

Publication
EP 3651929 A1 20200520 (DE)

Application
EP 18735574 A 20180702

Priority

- DE 102017115548 A 20170711
- EP 2018067749 W 20180702

Abstract (en)
[origin: WO2019011686A1] The invention relates to a soldering device for removing solder pearls and/or solder balls from the lower face of a printed circuit board, in particular a soldering device for a soldering system for a selective wave soldering process, comprising a brush device for removing solder pearls and/or solder balls from the lower face of a printed circuit board. The brush device has a brush which can be driven about a drive axis and which is designed to remove the solder pearls and/or solder balls, wherein a moving device is provided, said brush device being arranged on the moving device such that the brush device can be moved relative to the printed circuit board in the direction of an X, Y, and Z axis.

IPC 8 full level
B23K 3/08 (2006.01); **B08B 1/00** (2006.01); **B23K 1/018** (2006.01); **H05K 3/26** (2006.01)

CPC (source: EP US)
B08B 1/32 (2024.01 - EP US); **B23K 1/018** (2013.01 - EP US); **B23K 1/085** (2013.01 - US); **B23K 3/08** (2013.01 - EP); **H05K 3/22** (2013.01 - EP); **H05K 3/26** (2013.01 - US); **H05K 3/3447** (2013.01 - EP); **H05K 3/3468** (2013.01 - EP); **H05K 2203/0257** (2013.01 - EP US)

Citation (search report)
See references of WO 2019011686A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2019011686 A1 20190117; CN 110869155 A 20200306; CN 110869155 B 20220830; DE 102017115548 A1 20190117; DE 102017115548 B4 20190905; EP 3651929 A1 20200520; US 2020156168 A1 20200521

DOCDB simple family (application)
EP 2018067749 W 20180702; CN 201880045175 A 20180702; DE 102017115548 A 20170711; EP 18735574 A 20180702; US 201816630145 A 20180702