

Title (en)

Heater for heating a metal board

Title (de)

Heizvorrichtung zur Erwärmung einer metallenen Platine

Title (fr)

Dispositif de chauffage destiné à réchauffer une platine métallique

Publication

EP 2216417 A3 20130724 (DE)

Application

EP 10000379 A 20100116

Priority

DE 102009007826 A 20090207

Abstract (en)

[origin: EP2216417A2] Heating device comprises a lower heating unit (11) and an upper heating unit (13) each having a heating plate (16) with a number of heating segments (21) arranged in a predetermined pattern relative to each other and sliding relative to each other in the plane defined by a contact surface between the segments and a metallic plate (P).

IPC 8 full level

C21D 1/34 (2006.01); **B21D 37/16** (2006.01); **C21D 9/46** (2006.01); **C21D 1/673** (2006.01)

CPC (source: EP)

C21D 1/34 (2013.01); **C21D 9/46** (2013.01); **C21D 1/673** (2013.01)

Citation (search report)

[A] WO 2007013279 A1 20070201 - KIKUCHI CO LTD [JP], et al

Cited by

DE102014101539A1; ITUA20161493A1; CN104204232A; DE102014101539B4; DE102014101539B9; DE102011007489A1; DE102011007489B4; JP2013542324A; CN107488776A; EP2907881A2; EP2907881B1; EP2907881B2

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2216417 A2 20100811; **EP 2216417 A3 20130724**; **EP 2216417 B1 20140514**; DE 102009007826 A1 20100819; ES 2488122 T3 20140826; PL 2216417 T3 20141031; PT 2216417 E 20140703

DOCDB simple family (application)

EP 10000379 A 20100116; DE 102009007826 A 20090207; ES 10000379 T 20100116; PL 10000379 T 20100116; PT 10000379 T 20100116