

Title (en)
Device for joining workpieces

Title (de)
Vorrichtung zum Fügen von Werkstücken

Title (fr)
Dispositif d'assemblage de pièces usinées

Publication
EP 2543451 B1 20140129 (DE)

Application
EP 12173031 A 20120621

Priority
DE 102011051636 A 20110707

Abstract (en)
[origin: EP2543451A1] The device has a tool (5) with a contour (5.1) and another tool (6) with another contour (6.1), where the contours are pressed against each other over a deformation area (4). A radiation source (7) is formed for providing an electro-magnetic radiation which serves a heating of the workpieces (1,2) between the tools. The radiation source is arranged lateral to the tools such that the electro-magnetic radiation is directed from the workpieces and in the deformation area.

IPC 8 full level
B21D 39/03 (2006.01); **B21D 37/16** (2006.01)

CPC (source: EP)
B21D 37/16 (2013.01); **B21D 39/031** (2013.01)

Cited by
PL425994A1; CN118055829A; FR3116452A1; EP3589433A4; US9555461B2; WO2023016762A1; WO2013190054A1

Designated contracting state (EPC)
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