

Title (en)
DEVICE FOR CONNECTING METAL SHEET AT THE EDGES

Title (de)
VORRICHTUNG ZUM RANDSEITIGEN VERBINDEN VON BLECHEN

Title (fr)
DISPOSITIF SERVANT À JOINDRE LES BORDS DE TÔLES

Publication
EP 2155414 A1 20100224 (DE)

Application
EP 08735121 A 20080410

Priority
• EP 2008002809 W 20080410
• DE 102007025854 A 20070601

Abstract (en)
[origin: WO2008148440A1] The invention relates to a device (1) for connecting metal sheet (23, 33') at the edges, particularly body sheet metal in automobiles, containing at least one folding bed (2) for receiving at least two metal sheets, folding jaws (3) which are functionally connected to associated folding jaw supports (4), at least one thermal joining tool (5), and at least one mass electrode (9, 9'). At least the joining tool is not attached to the folding jaws, and the joining tool contains a lever oriented away from the folding bed as a linear feed device, the lever (6) having a center of rotation (10) outside the folding bed, wherein the joining tool can swivel in the manner of a knee lever into an operating and/or a non-operating position.

IPC 8 full level
B21D 39/02 (2006.01); **B23K 11/11** (2006.01); **B23K 11/31** (2006.01)

CPC (source: EP KR US)
B21D 39/02 (2013.01 - KR); **B21D 39/021** (2013.01 - EP US); **B23K 11/11** (2013.01 - KR); **B23K 11/14** (2013.01 - EP US); **B23K 11/31** (2013.01 - KR); **B23K 2101/006** (2018.07 - EP US); **Y10T 29/49622** (2015.01 - EP US); **Y10T 29/53709** (2015.01 - EP US); **Y10T 29/53791** (2015.01 - EP US)

Citation (search report)
See references of WO 2008148440A1

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
DE 102007025854 B3 20081016; BR PI0812171 A2 20141202; CN 101674903 A 20100317; CN 101674903 B 20130703; EP 2155414 A1 20100224; KR 20100015547 A 20100212; MX 2009012693 A 20091210; MX 341526 B 20160824; RU 2009149409 A 20110720; US 2010089892 A1 20100415; US 8299399 B2 20121030; WO 2008148440 A1 20081211; ZA 200906701 B 20100630

DOCDB simple family (application)
DE 102007025854 A 20070601; BR PI0812171 A 20080410; CN 200880014548 A 20080410; EP 08735121 A 20080410; EP 2008002809 W 20080410; KR 20097021382 A 20080410; MX 2009012693 A 20080410; RU 2009149409 A 20080410; US 59849608 A 20080410; ZA 200906701 A 20090925