

Title (en)

METHOD FOR CONNECTING METAL SHEETS TOGETHER

Publication

EP 0155619 B1 19900117 (DE)

Application

EP 85102777 A 19850312

Priority

- DE 8408792 U 19840322
- DE 8408793 U 19840322

Abstract (en)

[origin: US4658502A] A method and apparatus for joining two adjacent sheets of metal the complementary engaging of a male die and a female die, during one stroke, only one of the two sheets is provided with incisions and the material of the other sheet is pressed through the area defined along the incisions and is extruded laterally beyond the edges thereof to form a rivet-type connection.

IPC 1-7

B21D 39/03

IPC 8 full level

B21D 39/03 (2006.01)

CPC (source: EP US)

B21D 39/031 (2013.01 - EP US); **Y10T 29/34** (2015.01 - EP US); **Y10T 29/49835** (2015.01 - EP US); **Y10T 29/49915** (2015.01 - EP US); **Y10T 29/49938** (2015.01 - EP US); **Y10T 29/5343** (2015.01 - EP US); **Y10T 403/4974** (2015.01 - EP US)

Cited by

DE3713083A1; GB2244946A; DE19720867C1; FR2704785A1; EP0423544A1; US5203812A; DE102018103961A1; US6688043B1; WO9425196A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

US 4658502 A 19870421; DE 3575386 D1 19900222; EP 0155619 A2 19850925; EP 0155619 A3 19870121; EP 0155619 B1 19900117; ES 285525 U 19851101; ES 285525 Y 19870216

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US 71367785 A 19850319; DE 3575386 T 19850312; EP 85102777 A 19850312; ES 285525 U 19850321