

Title (en)

Apparatus for connecting a metal sheet to a perforated metal sheet.

Title (de)

Vorrichtung zum Verbinden eines Blechs mit einem perforierten Blech.

Title (fr)

Dispositif pour relier une tôle à une autre tôle perforée.

Publication

EP 0155618 A2 19850925 (DE)

Application

EP 85102776 A 19850312

Priority

DE 8408795 U 19840322

Abstract (en)

[origin: US4584753A] Apparatus for joining a first, non-perforated sheet metal piece to a second, perforated one comprising a male die and a female die, the latter having an anvil which prior to actual joining locates the perforation beneath the male die and is, upon actuation of the apparatus, displaced into a lowered position in which material of the first sheet forced through the perforation by the male die is laterally swaged but is not cut.

Abstract (de)

Fügevorrichtung zum Verbinden eines ungelochten Blechs mit einem gelochten Blech, wobei ein Durchsetzfügen erfolgt und der Stempel der Matrize zunächst das gelochte Blech positioniert, beim Fügen selbst aber bis zu einem Anschlag ausweicht.

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 29/49835** (2015.01 - EP US); **Y10T 29/49915** (2015.01 - EP US); **Y10T 29/53709** (2015.01 - EP US)

Cited by

CN107900230A; EP2664393A3; EP0259925A1; DE19720867C1; DE3934743A1; US5203812A; DE102018103961A1; US6688043B1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0155618 A2 19850925; **EP 0155618 A3 19870204**; **EP 0155618 B1 19890628**; AT E44249 T1 19890715; DE 3571210 D1 19890803; DE 8408795 U1 19850718; JP H0460733 B2 19920928; JP S617027 A 19860113; US 4584753 A 19860429

DOCDB simple family (application)

EP 85102776 A 19850312; AT 85102776 T 19850312; DE 3571210 T 19850312; DE 8408795 U 19840322; JP 5764685 A 19850322; US 71367885 A 19850319