

Title (en)

Actuating assembly for a clinching die, in particular for clinching the peripheral edge of a vehicle window

Title (de)

Antrieb für eine Vorrichtung zum Krimpen, insbesondere zum Krimpen des Randes eines Kraftfahrzeugfensters

Title (fr)

Dispositif de commande d'un ensemble de sertissage, notamment de sertissage du bord périphérique d'une fenêtre d'automobile

Publication

EP 1493508 A3 20050112 (EN)

Application

EP 04102317 A 20040526

Priority

IT TO20030501 A 20030701

Abstract (en)

[origin: EP1493508A2] An actuating assembly (1) for a clinching die (2), in particular for clinching the peripheral edge of a vehicle window (4), has a supporting table (29) guided to translate along a vertical axis (13); and two actuators (37, 38), one for translating the supporting table (29) between two reference positions to change the working blades (14, 15) in the clinching die (2), and the other for translating the supporting table by a work travel about each reference position, so as to perform a pre-clinching operation and a clinching operation respectively; one of the two actuators (37, 38) is fixed, the other is movable longitudinally during at least part of the translatory movement of the supporting table (29), and the two actuators activate respective connecting rod and crank transmissions (47, 57). <IMAGE>

IPC 1-7

B21D 39/02

IPC 8 full level

B21D 39/02 (2006.01)

CPC (source: EP)

B21D 39/021 (2013.01)

Citation (search report)

- [A] DE 20110524 U1 20020808 - KUKA SCHWEISSANLAGEN GMBH [DE]
- [A] EP 1258300 A2 20021120 - VALIANT CORP [CA]
- [A] EP 1103320 A1 20010530 - FORD WERKE AG [DE], et al
- [A] US 6487888 B1 20021203 - BAULIER DOMINIQUE [CA], et al

Cited by

CN106140999A; CN105033051A; WO2015079083A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1493508 A2 20050105; EP 1493508 A3 20050112; EP 1493508 B1 20060705; AT E332199 T1 20060715; DE 602004001422 D1 20060817; DE 602004001422 T2 20070104; ES 2266991 T3 20070301; IT TO20030501 A1 20050102

DOCDB simple family (application)

EP 04102317 A 20040526; AT 04102317 T 20040526; DE 602004001422 T 20040526; ES 04102317 T 20040526; IT TO20030501 A 20030701