

Title (en)  
DEVICE FOR THE REMOVAL OF DENTS

Title (de)  
VORRICHTUNG ZUM ENTFERNEN VON BEULEN

Title (fr)  
DISPOSITIF D'ELIMINATION DE BOSSES

Publication  
**EP 1624983 B1 20100505 (DE)**

Application  
**EP 04729877 A 20040428**

Priority  
• EP 2004004446 W 20040428  
• DE 10320512 A 20030428

Abstract (en)  
[origin: WO2004096461A1] Disclosed is a device for extracting concave dents (12) from sheet metal. The inventive device comprises a basic body (1) that is made of plastic and is provided with several continuous bores into which traction elements (6) made of metallic material are inserted. One end of said traction elements encompasses an enlarged head (7). The forward end (5) of the traction elements protrudes from the basic body (1) at the opposite end when the head (7) rests against the basic body (1). The forward end (5) of the traction elements is welded onto the sheet metal, whereupon the basic body (1) is retracted in order to remove the dent (12).

IPC 8 full level  
**B21D 1/06** (2006.01)

CPC (source: EP)  
**B21D 1/06** (2013.01)

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)  
**WO 2004096461 A1 20041111**; AT E466673 T1 20100515; DE 10320512 A1 20041118; DE 502004011129 D1 20100617; DK 1624983 T3 20100830; EP 1624983 A1 20060215; EP 1624983 B1 20100505; ES 2346653 T3 20101019

DOCDB simple family (application)  
**EP 2004004446 W 20040428**; AT 04729877 T 20040428; DE 10320512 A 20030428; DE 502004011129 T 20040428; DK 04729877 T 20040428; EP 04729877 A 20040428; ES 04729877 T 20040428