

Title (en)  
DEVICE FOR PULLING OUT DENTS

Title (de)  
VORRICHTUNG ZUM HERAUSZIEHEN VON BEULEN

Title (fr)  
DISPOSITIF POUR EXTRAIRE DES BOSSES

Publication  
**EP 1644139 A1 20060412 (DE)**

Application  
**EP 04740915 A 20040712**

Priority  
• EP 2004007657 W 20040712  
• DE 10332182 A 20030711

Abstract (en)  
[origin: WO2005007312A1] The invention concerns a device for pulling out dents on steel plates, said device comprising a fixing elements (1), whereof the legs (8, 9) press on the steel plate outside the dent. Facing the fixing element is a mobile tensile element (3) for pulling out the dent. In order to locate the support element as close as possible to the dent, the legs can be moved about an axis transverse to the tensile direction.

IPC 1-7  
**B21D 1/06**

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

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

Citation (search report)  
See references of WO 2005007312A1

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 2005007312 A1 20050127**; AT E395989 T1 20080615; DE 10332182 A1 20050210; DE 502004007236 D1 20080703; DK 1644139 T3 20080915; EP 1644139 A1 20060412; EP 1644139 B1 20080521; ES 2307021 T3 20081116

DOCDB simple family (application)  
**EP 2004007657 W 20040712**; AT 04740915 T 20040712; DE 10332182 A 20030711; DE 502004007236 T 20040712; DK 04740915 T 20040712; EP 04740915 A 20040712; ES 04740915 T 20040712