

Title (en)  
Method of manufacturing a hardened sheet metal profile

Title (de)  
Verfahren zur Herstellung eines gehärteten Blechprofils

Title (fr)  
Procédé de fabrication d'un profilé en tôle durci

Publication  
**EP 1253208 B1 20040707 (DE)**

Application  
**EP 02008690 A 20020418**

Priority  
DE 10120919 A 20010427

Abstract (en)  
[origin: EP1253208A1] Production of a hardened sheet metal profile from a plate or a semi-finished product comprises hot deforming the plate or semi-finished product in a pressing tool and hardening. Collars protruding from the surface of the plate are provided on the sheet metal profile. Preferred Features: The collars are produced in the form of an embossed piece on the sheet metal profile.

IPC 1-7  
**C21D 1/02**; **C21D 1/673**; **B21D 19/08**; **B21D 22/04**

IPC 8 full level  
**B21D 19/08** (2006.01); **B21D 19/10** (2006.01); **B21D 22/04** (2006.01); **B21D 22/06** (2006.01); **B21D 31/00** (2006.01); **C21D 1/02** (2006.01); **C21D 1/673** (2006.01); **C21D 9/46** (2006.01)

CPC (source: EP)  
**B21D 19/088** (2013.01); **B21D 22/04** (2013.01); **C21D 1/673** (2013.01); **C21D 9/46** (2013.01)

Cited by  
DE102011117066A1; DE102014004165A1; EP2062664A1; CN106488813A; CN102574187A; FR2996473A1; EP2181911A1; CN104372278A; DE102004038626B3; DE102014004165B4; EP3060687A4; EP4252930A3; US10364476B2; DE102011054866A1; WO2016119940A1; WO2016005210A1; WO2011023318A1; WO2007028475A3; DE102011117066B4; US8613819B2; US8756969B2; EP2177641A1; US8181331B2; EP3060687B1

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