

Title (en)  
Sheet metal profile with groove.

Title (de)  
Blechprofilteil mit Sicke.

Title (fr)  
Profilé de tôle avec rainure.

Publication  
**EP 0638758 A3 19950712 (DE)**

Application  
**EP 94112239 A 19940805**

Priority  
DE 4327252 A 19930813

Abstract (en)  
[origin: EP0638758A2] In order to reinforce sheet-metal profiles, use is made of double beads (4), which each comprise two parallel beads (5, 6). The two beads (5, 6) are deformed from the plane of the sheet metal in opposite directions. The two beads (5, 6) merge directly one into the other at a transition region (7) which rises from one bead (5) to the other bead (6). The double beads (4), which are configured, for example, in the form of an S in cross-section, may be arranged as longitudinal beads and/or transverse beads. They provide considerable reinforcement for the sheet metal profile. <IMAGE>

IPC 1-7  
**F16S 3/00**; **E04C 3/07**

IPC 8 full level  
**E04B 9/16** (2006.01); **E04B 9/18** (2006.01); **E04C 3/07** (2006.01); **F16S 3/00** (2006.01); **E04C 3/04** (2006.01)

CPC (source: EP)  
**E04B 9/16** (2013.01); **E04B 9/18** (2013.01); **E04C 3/07** (2013.01); **E04C 2003/0421** (2013.01); **E04C 2003/0434** (2013.01); **E04C 2003/0473** (2013.01)

Citation (search report)

- [X] GB 2164966 A 19860403 - ROSE SECTIONS LIMITED EDWARD
- [X] CH 406583 A 19660131 - BAR ROBERT RAYMOND JOSEPH [FR]
- [A] DE 3442355 C1 19860102 - RICHTER SYSTEM GMBH & CO KG
- [A] WO 8505141 A1 19851121 - AULIS LUNDELL OY [FI]

Cited by  
EP2116658A3; NL1041004B1; EP2551419A1; AT514809A4; AT514809B1; AT515381A3; AT515381B1; FR2876929A1; EP1271736A1; EP0798505A1; US5927041A; US11408168B2; US2022333373A1; US11866933B2; US9010070B2; US9963298B2; US10112779B2; US9969559B2; US10124962B2; WO9723694A1; WO2013014552A1; WO0206600A1; WO2011020093A3

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)  
**EP 0638758 A2 19950215**; **EP 0638758 A3 19950712**; **EP 0638758 B1 19981125**; AT E173806 T1 19981215; DE 4327252 A1 19950216; DE 59407328 D1 19990107; DK 0638758 T3 19990809; ES 2124820 T3 19990216; GR 3029325 T3 19990528

DOCDB simple family (application)  
**EP 94112239 A 19940805**; AT 94112239 T 19940805; DE 4327252 A 19930813; DE 59407328 T 19940805; DK 94112239 T 19940805; ES 94112239 T 19940805; GR 990400411 T 19990210