

Title (en)  
METHOD OF EXTRUDING HOLLOW LIGHT METAL MEMBER

Title (de)  
VERFAHREN ZUM EXTRUDIEREN EINES HOHLEN LEICHTMETALLELEMENTS

Title (fr)  
PROCEDE D'EXTRUSION D'UN ELEMENT METALLIQUE LEGER CREUX

Publication  
**EP 1637246 B1 20120314 (EN)**

Application  
**EP 04732202 A 20040511**

Priority

- JP 2004006601 W 20040511
- JP 2003146839 A 20030523

Abstract (en)  
[origin: EP1637246A1] It is an object to realize and establish new extrusion technology for manufacturing a light-metal hollow member (product) having excellent mechanical properties with constant stability and also efficiently manufacturing the product having a strength satisfying a required level at low cost, by using a hollow die such as a bridge die. The object is achieved by dividing and joining/welding a light-metal material with a hollow extrusion die and then extruding the light-metal material to form in a desired cross-sectional shape through a die opening, wherein the strain level applied to the light-metal material after the joining/welding is maintained at 1.8 or more and the extrusion is performed.

IPC 8 full level  
**B21C 23/08** (2006.01); **B21C 25/02** (2006.01)

CPC (source: EP KR)  
**B21C 23/08** (2013.01 - KR); **B21C 23/085** (2013.01 - EP); **B21C 25/02** (2013.01 - EP KR)

Cited by  
EP1881084A1; WO2022090135A1

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 1637246 A1 20060322; EP 1637246 A4 20080618; EP 1637246 B1 20120314**; AT E549104 T1 20120315; CN 100366356 C 20080206; CN 1795063 A 20060628; DK 1637246 T3 20120529; KR 100674779 B1 20070125; KR 20060004699 A 20060112; TW 200425967 A 20041201; TW I251513 B 20060321; WO 2004103596 A1 20041202

DOCDB simple family (application)  
**EP 04732202 A 20040511**; AT 04732202 T 20040511; CN 200480014045 A 20040511; DK 04732202 T 20040511; JP 2004006601 W 20040511; KR 20057022346 A 20051122; TW 93113864 A 20040517