

Title (en)
Flow forming method

Title (de)
Abstreckdrückwalzverfahren

Title (fr)
Procédé de fluotournage

Publication
EP 2857531 A2 20150408 (EN)

Application
EP 14183234 A 20140902

Priority
GB 201316829 A 20130923

Abstract (en)
A method of forming a shaped article. The method comprises providing a pre-form 40 comprising a chromium molybdenum vanadium steel alloy, heat treating the pre-form to obtain a surface hardness of between 420 and 480 according to the Vickers hardness test, and, subsequent to the heat treating step, flow forming the pre-form 40 to shape the pre-form.

IPC 8 full level
C21D 9/08 (2006.01); **B21D 22/14** (2006.01); **C21D 1/25** (2006.01); **C21D 6/00** (2006.01); **C21D 8/10** (2006.01); **C21D 9/28** (2006.01); **C22C 38/22** (2006.01); **C22C 38/24** (2006.01)

CPC (source: EP US)
C21D 1/06 (2013.01 - US); **C21D 1/18** (2013.01 - US); **C21D 1/25** (2013.01 - EP US); **C21D 1/30** (2013.01 - EP US); **C21D 8/005** (2013.01 - US); **C21D 9/08** (2013.01 - EP US); **C21D 9/28** (2013.01 - EP US); **C22C 38/002** (2013.01 - US); **C22C 38/02** (2013.01 - US); **C22C 38/04** (2013.01 - US); **C22C 38/22** (2013.01 - US); **C22C 38/24** (2013.01 - US); **C22C 38/44** (2013.01 - US); **C22C 38/46** (2013.01 - US); **C22C 38/60** (2013.01 - US); **B21D 22/14** (2013.01 - EP US); **C21D 6/002** (2013.01 - EP US); **C21D 8/10** (2013.01 - EP US)

Citation (third parties)
Third party : **anonymous**
DE 4323167 C1 19940519 - LEIFELD GMBH & CO [DE], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2857531 A2 20150408; **EP 2857531 A3 20150422**; **EP 2857531 B1 20170301**; GB 201316829 D0 20131106; US 2015083284 A1 20150326

DOCDB simple family (application)
EP 14183234 A 20140902; GB 201316829 A 20130923; US 201414475654 A 20140903