

Title (en)

Aluminum cast-forged product and method for manufacturing aluminum cast-forged product

Title (de)

Guss- Schmiedeteile aus Aluminium und Verfahren zu deren Herstellung

Title (fr)

Produit moulé/forgé en aluminium et procédé pour sa fabrication

Publication

EP 1400292 A1 20040324 (EN)

Application

EP 02256532 A 20020920

Priority

- EP 02256532 A 20020920
- US 23599502 A 20020909

Abstract (en)

This invention is directed to a method for manufacturing an aluminum cast-forged product by forging a preform made of forged material obtained by casting a forged material of an aluminum alloy, and an aluminum cast-forged product produced thereby. Said method is a method wherein the forging is performed by heating the preform made of forged material at a temperature of from approximately 450 DEG C to a melting point of the alloy. In this method, a recycled material may be used as a starting material, and some omission of the steps may be possible. There is provided a method for manufacturing an aluminum cast-forged product having excellent mechanical properties, such as, a higher tensile strength, higher proof stress, higher elongation, and the like with a lower production cost. <IMAGE>

IPC 1-7

B21J 5/00

IPC 8 full level

B21J 5/00 (2006.01)

CPC (source: EP US)

B21J 5/00 (2013.01 - EP US); **B21J 5/002** (2013.01 - EP US)

Citation (search report)

- [A] EP 0955113 A1 19991110 - SERIO EMILE DI [FR]
- [A] FR 2803232 A1 20010706 - SERIO EMILE DI [FR]
- [X] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 04 30 April 1999 (1999-04-30)
- [X] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 21 3 August 2001 (2001-08-03)
- [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 21 3 August 2001 (2001-08-03)
- [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 328 (C - 1215) 22 June 1994 (1994-06-22)
- [A] PATENT ABSTRACTS OF JAPAN vol. 012, no. 036 (M - 664) 3 February 1988 (1988-02-03)

Cited by

CN102357628A; WO2009006939A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

EP 1400292 A1 20040324; US 2004221931 A1 20041111

DOCDB simple family (application)

EP 02256532 A 20020920; US 23599502 A 20020909