

Title (en)

METHOD AND DEVICE FOR PRODUCING METAL RINGS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM HERSTELLEN VON METALLRINGEN

Title (fr)

PROCEDE ET DISPOSITIF POUR REALISER DES ANNEAUX METALLIQUES

Publication

EP 1909990 A1 20080416 (DE)

Application

EP 06762038 A 20060614

Priority

- EP 2006005695 W 20060614
- DE 102005028828 A 20050615

Abstract (en)

[origin: US2008250838A1] A method and an arrangement for producing rings from a metallic material are provide, wherein the rings are provided with an axially continuous inner profile at an inner circumference, and with a radial outer profile at an outer circumference. The method can include: providing a tube having a tube section from which rings are to be produced; forming an inner profile of the tube section by swaging, wherein a first profile mandrel is arranged in the tube, an outer profile of the mandrel corresponds to the inner profile of the rings to be formed, and the tube section is processed from outside by a swaging tool; and forming a radial outer profile to by rolling.

IPC 8 full level

B21H 1/06 (2006.01); **B21J 5/12** (2006.01); **B21K 1/76** (2006.01)

CPC (source: EP KR US)

B21H 1/06 (2013.01 - EP KR US); **B21J 5/12** (2013.01 - EP KR US); **B21K 1/76** (2013.01 - KR); **B21K 1/761** (2013.01 - EP US)

Citation (search report)

See references of WO 2006133910A1

Designated contracting state (EPC)

AT DE FR GB IT SE

DOCDB simple family (publication)

US 2008250838 A1 20081016; AT E421395 T1 20090215; CN 101222989 A 20080716; CN 101222989 B 20101215; DE 102005028828 B3 20061221; DE 502006002727 D1 20090312; EP 1909990 A1 20080416; EP 1909990 B1 20090121; KR 20080025374 A 20080320; WO 2006133910 A1 20061221

DOCDB simple family (application)

US 95818407 A 20071217; AT 06762038 T 20060614; CN 200680021472 A 20060614; DE 102005028828 A 20050615; DE 502006002727 T 20060614; EP 06762038 A 20060614; EP 2006005695 W 20060614; KR 20077029500 A 20071217