

Title (en)

METHOD AND DEVICE FOR PRODUCING A HOLLOW BODY FROM SOLID ROUND STEEL

Title (de)

VERFAHREN UND VORRICHTUNG ZUM HERSTELLEN EINES HOHLKÖRPERS AUS MASSIVEM RUNDSTAHL

Title (fr)

PROCEDE ET DISPOSITIF PERMETTANT DE PRODUIRE UN CORPS CREUX EN ACIER ROND MASSIF

Publication

EP 0886550 B1 19990929 (DE)

Application

EP 97918019 A 19970307

Priority

- DE 9700507 W 19970307
- DE 19611782 A 19960313

Abstract (en)

[origin: US6006570A] PCT No. PCT/DE97/00507 Sec. 371 Date Sep. 11, 1998 Sec. 102(e) Date Sep. 11, 1998 PCT Filed Mar. 7, 1997 PCT Pub. No. WO97/33707 PCT Pub. Date Sep. 18, 1997A method and a device for producing a hollow body from solid round steel that has been heated to shaping temperature by piercing in an inclined rolling mill using pass-closing guide elements. For this purpose, prior to the commencement of piercing, the clear distance between the pass-closing guide elements is reduced in comparison to that of the stationary rolling phase and, after initial rolling, the distance is adjusted to the customary value for the stationary phase. The changes in distance are effected automatically through the balancing of the forces acting on the pass-closing guide elements during the shaping of the round steel and the closing forces which keep the pass opening dimension small.

IPC 1-7

B21B 19/04; **B21B 37/78**

IPC 8 full level

B21B 19/04 (2006.01); **B21B 37/78** (2006.01); **B21D 43/08** (2006.01)

CPC (source: EP US)

B21B 19/04 (2013.01 - EP US)

Designated contracting state (EPC)

AT DE ES FR IT

DOCDB simple family (publication)

US 6006570 A 19991228; AR 006184 A1 19990811; AT E185094 T1 19991015; CN 1067921 C 20010704; CN 1213330 A 19990407; CZ 290698 A3 19990714; CZ 293785 B6 20040714; DE 19611782 A1 19970918; DE 19611782 C2 19990819; DE 59700506 D1 19991104; EP 0886550 A1 19981230; EP 0886550 B1 19990929; ES 2137060 T3 19991201; JP 2000506071 A 20000523; PL 182196 B1 20011130; PL 328830 A1 19990215; RO 119593 B1 20050128; RU 2165321 C2 20010420; WO 9733707 A1 19970918

DOCDB simple family (application)

US 14280298 A 19980911; AR P970100960 A 19970311; AT 97918019 T 19970307; CN 97192990 A 19970307; CZ 290698 A 19970307; DE 19611782 A 19960313; DE 59700506 T 19970307; DE 9700507 W 19970307; EP 97918019 A 19970307; ES 97918019 T 19970307; JP 53219797 A 19970307; PL 32883097 A 19970307; RO 9801222 A 19970307; RU 98118573 A 19970307