

Title (en)

METHOD OF PRODUCING LARGE ANNULAR WORKPIECES

Title (de)

VERFAHREN ZUM HERSTELLEN GROSSER RINGFÖRMIGER WERKSTÜCKE

Title (fr)

PROCEDE DE FABRICATION DE GRANDES PIECES ANNULAIRES

Publication

EP 0852525 B1 19991229 (DE)

Application

EP 96934481 A 19960927

Priority

- DE 19536507 A 19950929
- EP 9604237 W 19960927

Abstract (en)

[origin: DE19536507A1] The object of the invention is to improve a method of producing large annular workpieces, in particular annular bands for wear-resistant pressure rollers, by means of a hot-isostatic pressing process such that even larger annular workpieces can be produced. To this end, an annular blank is produced by the hot-isostatic pressing process with dimensions predetermined by the hot-isostatic pressing plant. The dimensions of the blank are then modified, preferably enlarged, by a hot-shaping process.

IPC 1-7

B22F 5/12; **B22F 3/16**

IPC 8 full level

B21H 1/14 (2006.01); **B21H 1/06** (2006.01); **B22F 3/16** (2006.01); **B22F 3/24** (2006.01); **B22F 5/00** (2006.01); **B22F 5/10** (2006.01); **B22F 5/12** (2006.01)

CPC (source: EP)

B21H 1/06 (2013.01); **B22F 5/10** (2013.01); **B22F 5/106** (2013.01); **B22F 2998/00** (2013.01)

Cited by

CN106623704A; FR2952558A1; WO2011061444A3; US6315945B1; US6613462B2

Designated contracting state (EPC)

BE DE FR GB

DOCDB simple family (publication)

DE 19536507 A1 19970403; AU 7282196 A 19970428; DE 59604060 D1 20000203; EP 0852525 A1 19980715; EP 0852525 B1 19991229; JP 3150705 B2 20010326; JP H11500493 A 19990112; WO 9712710 A1 19970410

DOCDB simple family (application)

DE 19536507 A 19950929; AU 7282196 A 19960927; DE 59604060 T 19960927; EP 9604237 W 19960927; EP 96934481 A 19960927; JP 51395897 A 19960927