

Title (en)
METHOD OF PRODUCING A SPINNING OR TWISTING RING, AND A SPINNING OR TWISTING RING PRODUCED BY THE METHOD

Title (de)
VERFAHREN ZUM FORMEN EINES SPINN- ODER ZWIRNRINGES SOWIE NACH DEM VERFAHREN GEFORMTER SPINN- ODER ZWIRNRING

Title (fr)
PROCEDE DE FABRICATION D'UN ANNEAU DE FILAGE OU DE RETORDAGE ET ANNEAU DE FILAGE OU DE RETORDAGE FA ONNE SELON CE PROCEDE

Publication
EP 0873437 B1 20020502 (DE)

Application
EP 96942229 A 19961223

Priority

- CH 9600459 W 19961223
- CH 369095 A 19951228

Abstract (en)
[origin: WO9724477A1] In the method proposed, a disc-shaped blank (12) is stamped from a steel sheet (10), a bulge (16) produced in the middle, and the disc deep-drawn to form a cup-shaped blank. The bulge is subsequently pressed flat, pushing material out to the edge where a flange will be formed. The flattened floor of the cup is then stamped out and a flange (70) formed on the blank (12d) by a stamping and deep-drawing tool (68), the flange being shaped by a stamping tool to form the finished flanged ring. This method enables chip-removing machining operations to be avoided, thus reducing manufacturing costs.

IPC 1-7
D01H 7/60; B21D 53/16

IPC 8 full level
B21D 53/16 (2006.01); **D01H 7/60** (2006.01)

CPC (source: EP)
B21D 53/16 (2013.01); **D01H 7/602** (2013.01)

Cited by
US11097330B2; WO2018046473A1; WO0074612A1

Designated contracting state (EPC)
CH DE GB GR IT LI

DOCDB simple family (publication)
WO 9724477 A1 19970710; CH 690779 A5 20010115; CN 1082105 C 20020403; CN 1202938 A 19981223; DE 59609165 D1 20020606; EP 0873437 A1 19981028; EP 0873437 B1 20020502; HK 1017028 A1 19991112; JP 2000502758 A 20000307; JP 3954104 B2 20070808; TR 199801231 T2 19981021

DOCDB simple family (application)
CH 9600459 W 19961223; CH 369095 A 19951228; CN 96198587 A 19961223; DE 59609165 T 19961223; EP 96942229 A 19961223; HK 99102064 A 19990507; JP 52394497 A 19961223; TR 9801231 T 19961223