

Title (en)

Method and device for flow-turning

Title (de)

Verfahren und Vorrichtung zum Drückwalzen

Title (fr)

Procédé et dispositif de fluotournage

Publication

EP 1004373 B1 20021002 (DE)

Application

EP 99122407 A 19991110

Priority

DE 19854481 A 19981125

Abstract (en)

[origin: DE19854481A1] A deformable distance ring (14) is placed on the forming mandrel (2). As the first workpiece (26) is being formed, an edge zone of this workpiece is pressed against the distance ring. The distance ring - which has been plastically deformed and strain-hardened - is left on the mandrel to assist forming of the subsequent workpieces.

IPC 1-7

B21H 5/02

IPC 8 full level

B21H 5/02 (2006.01)

CPC (source: EP US)

B21H 5/025 (2013.01 - EP US)

Cited by

EP2127777A1; WO2010012457A1; US8984921B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

DE 19854481 A1 19991223; DE 19854481 C2 20020620; CA 2290294 A1 20000525; DE 59902916 D1 20021107; EP 1004373 A1 20000531; EP 1004373 B1 20021002; US 6205832 B1 20010327

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DE 19854481 A 19981125; CA 2290294 A 19991124; DE 59902916 T 19991110; EP 99122407 A 19991110; US 45012299 A 19991126