Title (en)

Method for extruding of a cup-shaped part

Title (de)

Verfahren zum Fliesspressen eines napfförmigen Teils

Title (fr)

Procédé pour le filage d'une pièce en forme de godet

Publication

EP 0841105 A3 20000126 (DE)

Application

EP 97119363 A 19971105

Priority

DE 19645954 A 19961107

Abstract (en)

[origin: EP0841105A2] The component (10) is extruded from approximately a cylindrical blank (1) using a fluid lubricant. A die is used to form recesses (3) on the inner wall surface of the blank, before the extrusion process takes place, and preferably used to form a recessed centering shoulder (2) and the recesses simultaneously. The recesses extending to the edge of the shoulder are channel-shaped, and positioned at even relative distances. They have mainly semi-circular profile. The blank is preheated, and forming method may be reverse extrusion, forward extrusion, lateral extrusion, or a combination.

IPC 1-7 (main, further and additional classification)

B21C 23/32; B21C 23/18; B21C 23/20

IPC 8 full level (invention and additional information)

B21C 23/18 (2006.01); **B21C 23/20** (2006.01); **B21C 23/32** (2006.01)

CPC (invention and additional information)

B21C 23/186 (2013.01); **B21C 23/205** (2013.01); **B21C 23/32** (2013.01)

Citation (search report)

- [A] BE 551053 A
- [A] US 4129022 A 19781212 - THONNES HORST, et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 02 29 February 1996 (1996-02-29)
- [A] PATENT ABSTRACTS OF JAPAN vol. 013, no. 526 (M - 897) 22 November 1989 (1989-11-22)

Cited by

EP1693127A1; FR2882282A1; US7841062B2; US7334429B2; WO2004025196A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family

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