

Title (en)

CUP-SHAPED CONTAINERS AND METHOD AND APPARATUS FOR MANUFACTURING THEM

Publication

EP 0017434 B1 19830323 (EN)

Application

EP 80300961 A 19800327

Priority

GB 7912327 A 19790407

Abstract (en)

[origin: EP0017434A1] A cup-shaped container is formed from a metal blank (13) by forcing the blank (13), carried by a mandrel (50) through a drawing die (21) to shape the blank (13) with a base (14) and an elongate cylindrical wall (15), and ironing dies (22,23) to thin and extend the cylindrical wall (15) along the mandrel (50). The mandrel (50) has circumferential a groove (57) into which metal is caused to flow during the ironing step and adjacent the groove (57) is a severing die (56) which co-operates with an ironing die (23) to trim the rim of the cylindrical wall (15) adacent the groove (57). The resultant container has an inner circumferential bead (60) at the rim, which strengthens the container and reduces the incidence of splitting.

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IPC 8 full level

B21D 22/28 (2006.01); **B21D 22/30** (2006.01)

CPC (source: EP)

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Citation (examination)

DE 2503828 A1 19760805 - FRIEDRICH REINER TELEFONFABRIK, et al

Cited by

CN113490557A; FR2510916A1; GB2259880A; GB2259880B; GB2258834A; US5287713A; GB2258834B; US8661686B2

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ES 8104733 A1 19810416

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