

Title (en)

PROCESS FOR PRODUCING TUBULAR ARTICLES

Publication

EP 0000438 B1 19821020 (EN)

Application

EP 78300126 A 19780706

Priority

GB 2849577 A 19770707

Abstract (en)

[origin: EP0000438A1] A process for the manufacture of a tubular metal container or vessel, such as a shell or cartridge case, in which an open-ended hollow metal tube (10) is mounted on a mandrel (12), and in which the mandrel (12) and a forming punch (17) are moved relative to one another in a die (21) such that the metal at one end of the tube (10) is displaced inwardly from around the circumference of the tube to form a central hole at the said end of the tube, the displaced metal being formed with an external recess or pocket communicating with the said hole.

IPC 1-7

B21D 51/54; **B21K 21/14**

IPC 8 full level

B21D 51/54 (2006.01); **B21K 21/04** (2006.01); **B21K 21/14** (2006.01)

CPC (source: EP US)

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Cited by

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Designated contracting state (EPC)

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EP 0000438 A1 19790124; **EP 0000438 B1 19821020**; CA 1086112 A 19800923; DE 2862061 D1 19821125; GB 1602973 A 19811118; JP S5440276 A 19790329; US 4198843 A 19800422

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