

Title (en)
ALUMINIUM BASE ALLOY FOR HOLLOW BODIES FOR PRESSURE CONTAINERS

Publication
EP 0257167 B1 19910206 (FR)

Application
EP 86420225 A 19860909

Priority
FR 8610930 A 19860724

Abstract (en)
[origin: ES2001145A6] The invention relates to hollow bodies for gas under pressure manufactured from an aluminum alloy containing Zn, Cu and Mg as principal alloying elements and intended in particular for the production of metal bottles for pressurized gas. The hollow bodies are manufactured from an alloy consisting essentially of (in % by weight): -6.25 <= Zn <= 8.0 Mn <= 0.20 -1.2 <= Mg <= 1.95 Zr <= 0.05 -1.7 <= Cu <= 2.8 Ti <= 0.05 -0.15 <= Cr <= 0.28 Others each <=0.05 -Fe <= 0.20 Others total <=0.15 -Si + Fe <= 0.40 Balance Al. - The alloy in state T73 complies with the very severe technical requirements in respect of strength and ductility which are imposed in relation to use for hollow bodies under pressure.

IPC 1-7
C22C 21/10; F17C 1/14

IPC 8 full level
C22C 21/10 (2006.01); **F17C 1/14** (2006.01)

CPC (source: EP US)
C22C 21/10 (2013.01 - EP US); **F17C 1/14** (2013.01 - EP US); **F17C 2201/0104** (2013.01 - EP US); **F17C 2201/058** (2013.01 - EP US); **F17C 2203/0646** (2013.01 - EP US); **F17C 2203/0648** (2013.01 - EP US); **F17C 2209/21** (2013.01 - EP US); **F17C 2260/011** (2013.01 - EP US); **F17C 2260/017** (2013.01 - EP US)

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Designated contracting state (EPC)
AT BE DE GB IT LU NL

DOCDB simple family (publication)
FR 2601967 A1 19880129; FR 2601967 B1 19920403; AT E60809 T1 19910215; AU 587069 B2 19890803; AU 6329186 A 19880128; BR 8703823 A 19880329; CA 1307140 C 19920908; CH 671237 A5 19890815; DE 3677512 D1 19910314; DK 166689 B1 19930628; DK 457686 A 19880125; DK 457686 D0 19860925; EP 0257167 A1 19880302; EP 0257167 B1 19910206; ES 2001145 A6 19880416; IE 59322 B1 19940209; IE 862531 L 19880124; JP H0575815 B2 19931021; JP S6333539 A 19880213; US 4747890 A 19880531

DOCDB simple family (application)
FR 8610930 A 19860724; AT 86420225 T 19860909; AU 6329186 A 19860930; BR 8703823 A 19870722; CA 518191 A 19860915; CH 280887 A 19870723; DE 3677512 T 19860909; DK 457686 A 19860925; EP 86420225 A 19860909; ES 8602428 A 19861006; IE 253186 A 19860925; JP 24285386 A 19861013; US 91106786 A 19860924