

Title (en)

PROCESS FOR THE MANUFACTURE OF OBJECTS FROM AL-LI-MG-CU ALLOYS WITH HIGH DUCTILITY AND ISOTROPY PROPERTIES

Publication

EP 0157711 B1 19871209 (FR)

Application

EP 85420041 A 19850311

Priority

FR 8404481 A 19840315

Abstract (en)

[origin: US4652314A] The invention concerns a process for producing products of Al-base alloys essentially containing Li, Mg and Cu as main alloy elements and having a high level of ductility and isotropy. The process comprises subjecting the homogenized product to a "tepid" transformation operation at from 100 DEG to 420 DEG C. The intermediate annealing operations, if required, are carried out in the range of from 200 DEG to 550 DEG C. The rate of cooling after the intermediate annealing operations is generally kept at from 1500 DEG C./second to 30 DEG C./hour. The isotropy and ductility of the resulting products are considerably improved in comparison with the prior art processes.

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C22F 1/04

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CPC (source: EP US)

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Cited by

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