

Title (en)

ALUMINIUM- AND COBALT-CONTAINING COPPER ALLOYS WITH HIGH WEAR RESISTANCE; PROCESS FOR THE MANUFACTURE OF THESE ALLOYS

Publication

EP 0042455 B1 19831102 (DE)

Application

EP 80104147 A 19800716

Priority

CH 478780 A 19800623

Abstract (en)

[origin: EP0042455A2] 1. A highly wear-resistant and finely structured aluminium bronze alloy comprising as components, in addition to conventional impurities, at least Al, Fe, Co, Cr, Mn and Cu, characterized by the following composition (in weight %) : Al 14-16 ; Fe 4-6 ; Co 2,5-3.5 ; Mn 1 to 1.5 ; Be 0 to 0.2 ; Cr 0.4-0.8 ; Zr 0.01-0.5 ; remainder Cu. the sum of Fe and Co being greater than 7.5, and characterized by a structure having grain sizes in the cast state of from 20 to 50 μ m.

IPC 1-7

C22C 9/01

IPC 8 full level

C22C 9/01 (2006.01)

CPC (source: EP)

C22C 9/01 (2013.01)

Cited by

CN114438355A; GB2179673A; CN102242291A; CN103805803A

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EP 0042455 A2 19811230; EP 0042455 A3 19820113; EP 0042455 B1 19831102; CH 646998 A5 19841228; DE 3065458 D1 19831208

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