

Title (en)

COPPER-TIN ALLOYS, PARTLY DEOXIDIZED WITH MAGNESIUM OR CALCIUM, FOR ELECTRICAL AND/OR THERMAL CONDUCTORS

Publication

EP 0384862 B1 19930728 (FR)

Application

EP 90420088 A 19900220

Priority

FR 8902850 A 19890222

Abstract (en)

[origin: EP0384862A1] CuSn alloys partially deoxidised with Mg- or with Ca- for use in electrical and/or heat conductors. Weight composition of these alloys: - Sn content of between 200 and 1200 ppm - a residual Mg (or Ca) content lower than 10 ppm, the Mg or the Ca being in oxide form - oxygen content lower than 100 ppm - metallic impurities content lower than 40 ppm - copper constitutes the remainder. The invention also relates to a process comprising a partial deoxidation with Mg or with Ca, which enables these alloys to be obtained.

IPC 1-7

C22B 15/00; **C22C 9/02**; **H01B 1/02**

IPC 8 full level

C22B 15/00 (2006.01); **C22C 9/02** (2006.01); **H01B 1/02** (2006.01)

CPC (source: EP)

C22B 15/006 (2013.01); **C22C 9/02** (2013.01); **H01B 1/026** (2013.01)

Cited by

FR2937460A1; EP2192596A1

Designated contracting state (EPC)

BE CH DE ES GB IT LI NL SE

DOCDB simple family (publication)

EP 0384862 A1 19900829; **EP 0384862 B1 19930728**; DE 69002346 D1 19930902; DE 69002346 T2 19931209; ES 2043329 T3 19931216; FI 900880 A0 19900221; FR 2643388 A1 19900824; FR 2643388 B1 19910503

DOCDB simple family (application)

EP 90420088 A 19900220; DE 69002346 T 19900220; ES 90420088 T 19900220; FI 900880 A 19900221; FR 8902850 A 19890222