

Title (en)
CYMBAL

Publication
EP 0300181 B1 19921111 (DE)

Application
EP 88109170 A 19880609

Priority
CH 283287 A 19870724

Abstract (en)
[origin: JPS6437597A] PURPOSE: To obtain a new echo dimensions by specifying a tin content of cymbals made of bronze which mainly contains copper and a relatively small amount of tin. CONSTITUTION: The tin content of cymbals is set to 13 to 18wt.%, preferably, 14 to 16wt.%, and at most 1wt.% phosphorus is contained. In the forming process, a disk which is not provided with a dish-shaped projection or is already provided with it is especially subjected to cold forging and is treated so as to have about 3 to 15µm particle size. Thus, a large sound volume is obtained, and the reverberation spreads and is soft and penetrates well and is massive, and a new echo dimension is obtained.

IPC 1-7
C22C 9/02; G10D 13/06

IPC 8 full level
C22C 9/02 (2006.01); **G10D 13/063** (2020.01); **G10D 13/24** (2020.01)

CPC (source: EP US)
G10D 13/063 (2020.02 - EP US); **G10D 13/24** (2020.02 - EP US)

Cited by
DE19960759A1; EP3040431A1

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0300181 A2 19890125; EP 0300181 A3 19891004; EP 0300181 B1 19921111; AT E82424 T1 19921115; BR 8803560 A 19890208; CA 1309279 C 19921027; CH 672855 A5 19891229; CN 1010717 B 19901205; CN 1030991 A 19890208; DE 3875836 D1 19921217; ES 2008055 A4 19890716; ES 2008055 T3 19930501; GR 890300131 T1 19900131; JP 2596981 B2 19970402; JP S6437597 A 19890208; MX 171574 B 19931108; SU 1660592 A3 19910630; US 4809581 A 19890307

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