

Title (en)
Casting non-ferrous metals.

Title (de)
Giessen von Nichteisen-Metallen.

Title (fr)
Coulée de métaux non-ferreux.

Publication
EP 0099470 A1 19840201 (EN)

Application
EP 83105779 A 19830613

Priority
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Abstract (en)
A method of casting non-ferrous metals having a melting point below that of ferrous metals comprising the steps of making a mould predominantly of zircon sand and a chemically hardenable organic resin binder which can be hardened at a temperature not exceeding 50 DEG C, casting molten non-ferrous metal into said mould to make a casting and separating the used sand from the casting. The mould and cores, if any, comprises, in addition to a catalyst or hardening agent for the resin binder; <IMAGE>

IPC 1-7
B22D 21/00; **B22C 5/08**; **B22C 1/00**

IPC 8 full level
B22C 1/00 (2006.01); **B22C 1/22** (2006.01); **B22C 5/00** (2006.01); **B22C 5/08** (2006.01); **B22D 21/00** (2006.01)

CPC (source: EP)
B22C 1/00 (2013.01); **B22C 5/08** (2013.01); **B22D 21/00** (2013.01)

Citation (search report)
• [YD] US 3212144 A 19651019 - CAPPS FRANK R
• [YD] BE 864207 A 19780822 - DU PONT
• [YD] US 2535662 A 19501226 - AHLES ROBERT D
• [YP] EP 0054288 A1 19820623 - COSWORTH RES & DEV LTD [GB]
• [AD] US 1886249 A 19321101 - BENSING LE RUE P
• [X] US 3179990 A 19650427 - FREEMAN STEPHEN E

Cited by
CN102051507A; US6691765B2; WO03013760A3; WO9215181A1

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