

Title (en)
Use of an hardenable copper alloy

Title (de)
Verwendung einer aushärtbaren Kupferlegierung

Title (fr)
Utilisation d'alliage de cuivre durcissant

Publication
EP 0548636 B1 19971001 (DE)

Application
EP 92120775 A 19921205

Priority
DE 4142941 A 19911224

Abstract (en)
[origin: EP0548636A1] For the fabrication of casting rollers, casting roller shells and casting wheels, which, in casting close to the final dimensions, must be insensitive to a cyclically alternating temperature stress, materials of high thermal conductivity and high fatigue strength at the working temperature of the casting moulds are required. According to the invention, a hardenable copper alloy, which contains 1.0 to 2.6% of nickel, 0.1 to 0.45% of beryllium and, if appropriate, also 0.05 to 0.25% of zirconium, is proposed for this application. Preferably, the ratio of the nickel/beryllium contents is at least 5:1 and the nickel content above 1.2%.

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IPC 8 full level
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Cited by
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