

Title (en)

Nickel free non-ferrous heavy metal alloy and its use

Title (de)

Nickelfreie Buntmetalllegierung und deren Verwendung

Title (fr)

Alliage lourd non-ferreux, exempt de nickel et son application

Publication

**EP 0568094 B1 19970820 (DE)**

Application

**EP 93107068 A 19930430**

Priority

DE 4214304 A 19920430

Abstract (en)

[origin: EP0568094A1] Non-ferrous heavy-metal alloy, nickel-free apart from, at most, 0.09% as a result of smelting, having a composition in per cent by weight of: Mn: more than 5.0 up to 15.00% Al: from 4.0 to 7.50% Fe: from 1.0 to 2.80% B: from 0.0005 to 0.01% Si: from 0.0 to 0.30% Ni: from 0.0 to 0.09% C: from 0.0 to 0.08% S: from 0.0 to 0.03% P: from 0.0 to <0.01% the remainder being copper with impurities due to smelting. Such a copper mixed-crystal alloy is particularly suitable as a material for jewellery and metal objects which, in normal use, are in contact with the skin, especially for spectacle frames and parts of spectacle frames and coins. The alloys according to the invention do not trigger any nickel-caused allergies.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Cited by

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