

Title (en)

Rimfire primer and process for the manufacture thereof

Title (de)

Initialladung für die Randfeuerzündung und Verfahren zu ihrer Herstellung

Title (fr)

Charge d'amorçage à percussion annulaire et son procédé de fabrication

Publication

**EP 0580486 B1 19960626 (FR)**

Application

**EP 93401852 A 19930719**

Priority

FR 9208945 A 19920720

Abstract (en)

[origin: EP0580486A1] The present invention relates to a rimfire primer which is free of toxic metal, characterised in that it corresponds to the following composition by weight: - 40 to 70% of a dinitrobenzofuroxan salt as shock-sensitive primary explosive, - 3 to 15% of tetrazene as sensitising explosive, - 10 to 30% of cupric oxide as oxidising agent, - 5 to 25% of a pulverulent reducing agent, - 0.5 to 20% of an inert abrasive powder and - 0 to 5% of a binder. It also relates to its process of manufacture, characterised in that the following successive stages are carried out: - the cupric oxide, the pulverulent reducing agent and the inert abrasive powder are mixed while dry; - the dinitrobenzofuroxan salt and the tetrazene are then added to this mixture thus constituted, and - the mixture thus obtained is homogenised. A binder solution, for example in the form of an aqueous solution of gum arabic, is added, if appropriate, to the inert mixture.

IPC 1-7

**C06C 7/00**; **C06B 33/10**

IPC 8 full level

**C06B 33/10** (2006.01); **C06C 7/00** (2006.01)

CPC (source: EP US)

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