Title (en)

BINARY METAL HYDROXIDE NITRATE

Title (de)

BINÄRE METALLHYDROXIDNITRATE

Title (fr)

NITRATE D'HYDROXYDE MÉTALLIQUE BINAIRE

Publication

EP 4341215 A1 20240327 (DE)

Application

EP 21727130 A 20210518

Priority

EP 2021063198 W 20210518

Abstract (en)

[origin: WO2022242836A1] The invention relates to a binary phase-pure copper/zinc hydroxide nitrate of formula (1a), ZnxCu1-x(OH)1.5(NO3)0.5 (1a), in which the relationship 0.3<x≤0.5 applies for the variable x, and to a method for producing same. Copper/zinc hydroxide nitrates according to the invention are particularly suitable for use as oxidising agents in a gas-generating composition for a gas generator, particularly for a safety device, particularly for a safety device in a vehicle.

IPC 8 full level

C01G 9/00 (2006.01); **B60R 21/16** (2006.01); **C06D 5/00** (2006.01)

CPC (source: EP US)

C01G 9/006 (2013.01 - EP US); **C06D 5/00** (2013.01 - EP US); C01P 2002/72 (2013.01 - EP US); C01P 2002/85 (2013.01 - EP US); C01P 2002/88 (2013.01 - EP US); C01P 2004/03 (2013.01 - EP US); C01P 2004/82 (2013.01 - US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022242836 A1 20221124; CN 117355488 A 20240105; EP 4341215 A1 20240327; US 2024239680 A1 20240718

DOCDB simple family (application)

EP 2021063198 W 20210518; CN 202180098438 A 20210518; EP 21727130 A 20210518; US 202118561866 A 20210518