

Title (en)

FIRE PROTECTION COMPOSITION

Title (de)

BRANDSCHUTZZUSAMMENSETZUNG

Title (fr)

COMPOSITION DE PROTECTION CONTRE L'INCENDIE

Publication

EP 4150014 A1 20230322 (DE)

Application

EP 21725767 A 20210512

Priority

- EP 20174796 A 20200514
- EP 2021062770 W 20210512

Abstract (en)

[origin: WO2021229028A1] The present invention relates to a fire protection composition, comprising a component A and a component B. The component A comprises an epoxy liquid resin and ammonium polyphosphate. The component B comprises: - an adduct B1 of (i) at least one polyamine having at least three amine hydrogens which are reactive with epoxy groups and (ii) at least one epoxy; - an ether-group-containing aliphatic primary diamine B2; and - an aliphatic or cycloaliphatic primary diamine B3. The fire protection composition has good adhesion to metal, still has good fire protection values after passing through baking furnaces in the automotive industry, with low loss of mass, and is suitable for spray application.

IPC 8 full level

C09D 5/18 (2006.01); **C08G 59/18** (2006.01); **C08G 59/24** (2006.01); **C08G 59/50** (2006.01); **C08G 59/56** (2006.01); **C08L 63/00** (2006.01); **C09D 7/48** (2018.01); **C09D 163/00** (2006.01)

CPC (source: EP US)

C08G 59/184 (2013.01 - EP); **C08G 59/245** (2013.01 - EP); **C08G 59/504** (2013.01 - EP); **C08G 59/56** (2013.01 - EP); **C08L 63/00** (2013.01 - EP); **C09D 5/18** (2013.01 - EP US); **C09D 7/48** (2017.12 - EP); **C09D 7/61** (2017.12 - US); **C09D 7/63** (2017.12 - US); **C09D 7/70** (2017.12 - US); **C09D 171/10** (2013.01 - US); **C08K 5/5205** (2013.01 - EP)

C-Set (source: EP)

C08L 63/00 + C08K 2003/323

Citation (search report)

See references of WO 2021229028A1

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 2021229028 A1 20211118; CN 115996995 A 20230421; EP 4150014 A1 20230322; US 2023272228 A1 20230831

DOCDB simple family (application)

EP 2021062770 W 20210512; CN 202180034498 A 20210512; EP 21725767 A 20210512; US 202117998402 A 20210512