

Title (en)

DEVICE FOR INCORPORATION OF PULVERULENT MATERIALS, ESPECIALLY DUST-EXPLOSIVE PULVERULENT MATERIALS, INTO A LIQUID, ESPECIALLY AN INFLAMMABLE LIQUID

Title (de)

VORRICHTUNG ZUR EINARBEITUNG VON PULVERSTOFFEN, INSBESONDERE STAUBEXPLOSIONSFÄHIGE PULVERSTOFFE, IN EINE, INSBESONDERE LEICHT ENTZÜNDLICHE, FLÜSSIGKEIT

Title (fr)

DISPOSITIF D'INCORPORATION DE MATIÈRES PULVÉRULENTES, NOTAMMENT DE MATIÈRES PULVÉRULENTES D'EXPLOSION DE POUSSIÈRE, DANS UN LIQUIDE, NOTAMMENT UN LIQUIDE INFLAMMABLE

Publication

**EP 4076716 A1 20221026 (DE)**

Application

**EP 20821297 A 20201215**

Priority

- EP 19216645 A 20191216
- EP 2020086243 W 20201215

Abstract (en)

[origin: WO2021122610A1] The invention relates to a device for incorporation of dust-explosive pulverulent materials into inflammable liquids, wherein the device includes the following: at least one liquid circuit (10), wherein the liquid circuit comprises at least one liquid vessel (11), a pipeline system (12) and at least one pump (13), and wherein the liquid circuit is designed to accommodate a combustible liquid; at least one powder vessel (30) designed to accommodate at least one pulverulent material (31) to be incorporated into the liquid, and wherein the powder vessel is connected to the liquid circuit, especially to the pipeline system, in a fluid-conducting manner via a powder feed conduit (32).

CPC (source: EP US)

**B01F 23/56** (2022.01 - US); **B01F 23/59** (2022.01 - EP US); **B01F 25/52** (2022.01 - EP US); **B01F 25/53** (2022.01 - EP US); **B01F 35/2113** (2022.01 - EP US); **B01F 35/71745** (2022.01 - EP US); **B01F 35/833** (2022.01 - EP US)

Citation (search report)

See references of WO 2021122610A1

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)

**EP 3838389 A1 20210623**; BR 112022012039 A2 20220906; CN 115151338 A 20221004; EP 4076716 A1 20221026; US 2023038859 A1 20230209; WO 2021122610 A1 20210624

DOCDB simple family (application)

**EP 19216645 A 20191216**; BR 112022012039 A 20201215; CN 202080086528 A 20201215; EP 2020086243 W 20201215; EP 20821297 A 20201215; US 202017757459 A 20201215