

Title (en)

USE OF LOW-SPARKING MATERIAL WHEN HANDLING BULK GOODS

Title (de)

VERWENDUNG VON FUNKENARmen WERKSTOFFEN BEI DER HANDHABUNG VON SCHÜTTGUT

Title (fr)

UTILISATION DE MATIÈRES SANS ÉTINCELLES DANS LA MANIPULATION DE MATÉRIAUX EN VRAC

Publication

EP 3658240 A1 20200603 (DE)

Application

EP 18753320 A 20180723

Priority

- EP 17183761 A 20170728
- EP 2018069897 W 20180723

Abstract (en)

[origin: CA3071031A1] The invention relates to an apparatus for handling bulk material which contains fines which can lead to formation of explosive dust/air mixtures, where the apparatus comprises moveable internals in a housing which comes into contact with bulk material, characterized in that the moveable internals and/or the interior of the housing which comes into contact with bulk material consist of aluminum bronzes or are lined and/or coated with the aluminum bronzes.

IPC 8 full level

A62C 3/04 (2006.01); **C22C 9/00** (2006.01); **C22C 9/01** (2006.01); **G01G 13/00** (2006.01); **G01G 13/02** (2006.01)

CPC (source: EP KR US)

A62C 3/04 (2013.01 - EP KR US); **B32B 15/00** (2013.01 - US); **B32B 15/01** (2013.01 - US); **C22C 9/01** (2013.01 - KR US);
Y10T 428/1291 (2015.01 - US)

Citation (search report)

See references of WO 2019020557A1

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

DOCDB simple family (publication)

EP 3434335 A1 20190130; CA 3071031 A1 20190131; CN 110891653 A 20200317; EP 3658240 A1 20200603; JP 2020528108 A 20200917;
KR 20200035946 A 20200406; US 2020139170 A1 20200507; WO 2019020557 A1 20190131

DOCDB simple family (application)

EP 17183761 A 20170728; CA 3071031 A 20180723; CN 201880047842 A 20180723; EP 18753320 A 20180723; EP 2018069897 W 20180723;
JP 2020504102 A 20180723; KR 20207002175 A 20180723; US 201816631024 A 20180723