

Title (en)

METHOD FOR PRODUCING A BRAKING ELEMENT AND BRAKING ELEMENT

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES BREMSKÖRPERS UND BREMSKÖRPER

Title (fr)

PROCÉDÉ DE PRODUCTION D'UN ÉLÉMENT DE FREINAGE ET ÉLÉMENT DE FREINAGE

Publication

EP 4278108 A1 20231122 (DE)

Application

EP 21701089 A 20210118

Priority

EP 2021050903 W 20210118

Abstract (en)

[origin: WO2022152398A1] The present invention relates to the field of automotive engineering and industrial plant engineering and concerns a method for producing braking elements and braking elements produced in this manner. The problem according to the invention consists in specifying a method and a braking element having improved wear and corrosion protection and a larger layer thickness of the frictional surface and which can be produced time- and cost-effectively. The problem is solved by a braking element which has at least one metallic main element having a frictional surface applied on a formed surface region, which frictional surface is a prefabricated layer of a metallic semi-finished product which is integrally connected to the metallic main element by means of a joining technique. The problem is also solved by a method in which the frictional surface is formed by at least one layer of a metallic semi-finished product and same is integrally connected to the metallic main element by means of a joining technique. The braking elements according to the invention can be used for example in vehicles, industrial plant or wind turbines.

IPC 8 full level

F16D 65/00 (2006.01); **F16D 65/10** (2006.01); **F16D 65/12** (2006.01)

CPC (source: EP US)

F16D 65/0025 (2013.01 - EP US); **F16D 65/127** (2013.01 - EP US); **F16D 2200/0047** (2013.01 - EP 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 2022152398 A1 20220721; CN 116685784 A 20230901; EP 4278108 A1 20231122; US 2024084865 A1 20240314

DOCDB simple family (application)

EP 2021050903 W 20210118; CN 202180091131 A 20210118; EP 21701089 A 20210118; US 202118272809 A 20210118