

Title (en)

SEALING ELEMENT FOR SEALING A FLUTE OF A FLUTED METAL DECK

Title (de)

DICHTELEMENT ZUR ABDICHTUNG EINER NUT EINES GENUTETEN METALLDECKS

Title (fr)

ÉLÉMENT D'ÉTANCHÉITÉ PERMETTANT DE SCELLER UNE CANNELURE D'UN PONT MÉTALLIQUE CANNELÉ

Publication

EP 3569785 A1 20191120 (EN)

Application

EP 18171971 A 20180514

Priority

EP 18171971 A 20180514

Abstract (en)

A sealing element (10) for sealing a flute of a fluted metal deck is described. The sealing element (10) comprises a body (12) and a coating (14) surrounding the body (12). The body (12) has a predefined geometry adapted to seal the flute, wherein the body (12) is flexible and the cross sectional area of the body (12) in a direction perpendicular to the flute axis is larger than the cross sectional area (20) of the flute the sealing element (10) is designed to seal.

IPC 8 full level

E04B 1/94 (2006.01)

CPC (source: EP US)

E04B 1/948 (2013.01 - EP US); **E04B 2/7411** (2013.01 - US); **E04B 5/40** (2013.01 - EP US)

Citation (search report)

- [XII] US 2016201319 A1 20160714 - PILZ DON A [US]
- [XAI] WO 2009026464 A2 20090226 - CALIFORNIA EXPANDED METAL PROD [US], et al
- [A] DE 202017106075 U1 20171109 - HILTI AG [LI]
- [A] WO 2005000496 A1 20050106 - BLUESCOPE STEEL LTD [AU], et al
- [A] JP H0642090 A 19940215 - KANEGAFUCHI CHEMICAL IND, et al
- [A] JP H074620 U 19950124

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 3569785 A1 20191120; AU 2019270123 A1 20201008; CA 3095169 A1 20191121; EP 3794187 A1 20210324; EP 3794187 B1 20231122; US 2021017761 A1 20210121; WO 2019219428 A1 20191121

DOCDB simple family (application)

EP 18171971 A 20180514; AU 2019270123 A 20190506; CA 3095169 A 20190506; EP 19720694 A 20190506; EP 2019061528 W 20190506; US 201915733629 A 20190506