

Title (en)
FIREPROOF MEMBRANE AND METHOD FOR ITS FABRICATION

Title (de)
FEUERFESTE MEMBRAN UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)
MEMBRANE IGNIFUGE ET PROCÉDÉ DE SA FABRICATION

Publication
EP 3109401 A1 20161228 (EN)

Application
EP 16174929 A 20160617

Priority
NO 20150794 A 20150617

Abstract (en)
This publication relates to a method and a fire protective lining or membrane for improving fire resistance of a lining or membrane (10) of a plastic material to be used in association with supporting structures (22), such as for example buildings tunnel walls, wherein a surface of the supporting structure (22) is provided with a thin lining or membrane (10) fixed to the surface by means of bolts, and where the membrane or lining (10) is exposed to the possibilities of open flames or fire on the surface facing the tunnel cavity. A fire protection (15) is added to at least one end edge surface (12) of the lining or membrane (10), the added fire protection (15) being configured in such way that the edge (12) of the lining or membrane (10) is prevented from catching fire when exposed to open flames or a burning object.

IPC 8 full level
E21D 11/38 (2006.01)

CPC (source: EP NO)
E21D 11/00 (2013.01 - NO); **E21D 11/38** (2013.01 - EP); **E21D 11/383** (2013.01 - NO)

Citation (search report)

- [X] US 5470178 A 19951128 - WEHOLT RAYMOND L [US]
- [I] DE 20218373 U1 20040401 - FISCHER ARTUR WERKE GMBH [DE]
- [A] WO 03051599 A1 20030626 - FAGERDALA WORLD FOAMS AB [SE], et al
- [A] DE 8903593 U1 19890518
- [A] CH 611961 A5 19790629 - SARNA KUNSTSTOFF AG [CH]
- [A] CN 201679105 U 20101222 - ZHIGANG YAO
- [A] ARNE GRØNHAUG: "Lining designs for Norwegian road tunnels, Intern rapport nr. 2168", WORLD TUNNELLING CONGRESS '99, 1 July 2000 (2000-07-01), Oslo, pages 1 - 10, XP055319635

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 3109401 A1 20161228; **EP 3109401 B1 20191120**; NO 20150794 A1 20161219; NO 342991 B1 20180917

DOCDB simple family (application)
EP 16174929 A 20160617; NO 20150794 A 20150617