

Title (en)  
LAMELLA FOR FIREPROOF GATES AND A FIREPROOF GATE COMPRISING THESE LAMELLAS

Title (de)  
LAMELLE FÜR FEUERSCHUTZTORE UND FEUERSCHUTZTOR MIT DIESEN LAMELLEN

Title (fr)  
LAMELLE POUR PORTES COUPE-FEU ET PORTE COUPE-FEU AVEC CES LAMELLES

Publication  
**EP 3511510 A1 20190717 (EN)**

Application  
**EP 19151135 A 20190110**

Priority  
CZ 201813 A 20180111

Abstract (en)  
The invention relates to a lamella (1) for lamellar fireproof gates (9), in particular for high-speed lamellar fireproof gates (9), which contains a core (2) made of a thermal insulating material based on mineral and/or inorganic fibers, which is arranged between cover layers (3) of a foamed fire resistant geopolymer composite or of light-weight alkali-activated aluminosilicate, whereby the outer surface of the lamella (1) is overlaid with a steel sheet (6). A conical ridge (4) made of a non-combustible thermal insulating material is arranged on the longer side of the circumference of the core (2) of the lamella (1) along at least a part of the length of the core (2) of the lamella (1), whereas a conical groove (5) is arranged in the opposite longer side of the circumference of the core (2) of the lamella (1) along at least a part of the length of the core (2) of the lamella (1), whereby the conical groove (5) corresponds to the conical ridge (4) by its location, shape and size and is intended to receive the conical ridge (4) of the adjacent lamella (1), whereby the side walls and the top of the conical ridge (4), as well as the side walls and the bottom of the conical groove, (5) are overlaid with the steel sheet (6). Cooling holes (7) are formed in the steel sheet (6) which overlaps the sides and/or the top of the conical ridge (4) and in the steel sheet (6) which overlaps the sides and/or the bottom of the conical groove (5). In addition, the invention relates to a lamellar fireproof gate (9), particularly a high-speed lamellar fireproof gate, which contains these lamellas (1).

IPC 8 full level  
**E06B 9/15** (2006.01); **E06B 5/16** (2006.01)

CPC (source: EP)  
**E06B 3/485** (2013.01); **E06B 5/16** (2013.01); **E06B 9/15** (2013.01); **E06B 5/168** (2013.01); **E06B 2003/7032** (2013.01); **E06B 2003/7042** (2013.01); **E06B 2003/7051** (2013.01); **E06B 2009/1505** (2013.01)

Citation (search report)  
• [A] EP 1748140 A1 20070131 - TORTEC BRANDSCHUTZTOR GMBH [AT]  
• [A] US 5588475 A 19961231 - MARTIN DAVID O [US]  
• [A] EP 1591614 A2 20051102 - FLEURY ALBERT [BE]

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 3511510 A1 20190717**; **EP 3511510 B1 20200708**; CZ 201813 A3 20190109; CZ 307613 B6 20190109

DOCDB simple family (application)  
**EP 19151135 A 20190110**; CZ 201813 A 20180111