

Title (en)
LIGHT WEIGHT FIRE-RESISTANT BOARD AND LAMINATE FOR MARINE APPLICATIONS

Title (de)
LEICHTE FEUERFESTE PLATTE UND LAMINAT FÜR MEERESANWENDUNGEN

Title (fr)
PANNEAU RÉSISTANT AU FEU LÉGER ET STRATIFIÉ POUR APPLICATIONS MARINES

Publication
EP 4244053 A1 20230920 (EN)

Application
EP 21807120 A 20211115

Priority
• EP 20306388 A 20201116
• EP 2021081679 W 20211115

Abstract (en)
[origin: WO2022101472A1] The present invention concerns a fire-resistant board at least classified B15, comprising a core (1c) sandwiched between two facers (1f) and comprising at least 80 wt.% calcium sulphate dihydrate and at least 2.3 kg / m³ glass fibres. A groove (3) extends along each of the first and second longitudinal edges for forming a spline joint with a second board. The boards can be produced in large dimensions of up to 3050 mm length and higher, while still being hand able due to their low density of 0.35 and 0.65. The present invention also concerns a laminate formed by a board as defined supra sandwiched between two high-pressure layers (HPL). The laminates can be joined with one another by spline joints to form a partition system particularly suitable for forming bulkheads, deckheads, and partitions in general, as well as floors and ceilings, pieces of furniture, and the like in sea-going vessels (= ships) and offshore platforms.

IPC 8 full level
B32B 3/06 (2006.01); **B32B 3/08** (2006.01); **B32B 5/02** (2006.01); **B32B 9/02** (2006.01); **B32B 13/02** (2006.01); **B32B 13/14** (2006.01); **B32B 27/30** (2006.01); **E04C 2/04** (2006.01)

CPC (source: EP)
B32B 3/06 (2013.01); **B32B 3/08** (2013.01); **B32B 5/022** (2013.01); **B32B 9/02** (2013.01); **B32B 13/02** (2013.01); **B32B 13/14** (2013.01); **B32B 27/306** (2013.01); **E04C 2/243** (2013.01); **E04C 2/38** (2013.01); **B32B 2250/40** (2013.01); **B32B 2260/023** (2013.01); **B32B 2260/046** (2013.01); **B32B 2262/0276** (2013.01); **B32B 2262/062** (2013.01); **B32B 2262/101** (2013.01); **B32B 2307/3065** (2013.01); **B32B 2307/538** (2013.01); **B32B 2307/72** (2013.01); **B32B 2307/732** (2013.01); **B32B 2479/00** (2013.01); **B32B 2605/12** (2013.01); **B32B 2607/00** (2013.01); **E04C 2002/004** (2013.01)

Citation (search report)
See references of WO 2022101472A1

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 2022101472 A1 20220519; EP 4244053 A1 20230920

DOCDB simple family (application)
EP 2021081679 W 20211115; EP 21807120 A 20211115