

Title (en)  
PREFABRICATED STRUCTURE OF A BALCONY FOR A CRUISE SHIP

Title (de)  
VORGEFERTIGTER AUFBAU EINES BALKONS FÜR EIN KREUZFAHRTSCHIFF

Title (fr)  
STRUCTURE PRÉFABRIQUÉE D'UN BALCON POUR UN BATEAU DE CROISIÈRE

Publication  
**EP 4077118 B1 20230906 (EN)**

Application  
**EP 20828122 A 20201204**

Priority  
• IT 201900024072 A 20191216  
• IB 2020061479 W 20201204

Abstract (en)  
[origin: WO2021123999A1] The present invention relates to a prefabricated structure of a balcony for a cruise ship, intended to be fixed in particular to a ship side, comprising: at least two support beams (11, 12), provided with elements for coupling to a ship side; a platform (20), which is mechanically connected to the aforesaid two support beams (11, 12) at a lower face opposite to an upper face defining the balcony floor, said platform (20) comprising an inner edge (21) intended in use to face the ship side and an outer edge (22), opposite to the inner edge; a profiled element (30), which is mechanically associated with the platform (20) at said outer edge (22) and is arranged to anchor a parapet. The platform (20) consists of a board defined by two aluminum or aluminum alloy sheets (23, 24), arranged parallel to each other to form a cavity filled with a foam (25) of aluminum or aluminum alloy. The foam (25) structurally connects said two sheets (23, 24) together to form a single body.

IPC 8 full level  
**B63B 29/02** (2006.01); **E04B 1/00** (2006.01)

CPC (source: EP KR)  
**B63B 29/02** (2013.01 - EP KR); **B63B 73/20** (2020.01 - EP KR); **B63B 73/43** (2020.01 - KR); **B63B 73/49** (2020.01 - KR);  
**B63B 2035/004** (2013.01 - KR); **B63B 2231/10** (2013.01 - KR); **B63B 2231/50** (2013.01 - KR)

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

DOCDB simple family (publication)  
**WO 2021123999 A1 20210624**; CN 115023392 A 20220906; EP 4077118 A1 20221026; EP 4077118 B1 20230906; EP 4077118 C0 20230906;  
IT 201900024072 A1 20210616; JP 2023506858 A 20230220; KR 20220110754 A 20220809

DOCDB simple family (application)  
**IB 2020061479 W 20201204**; CN 202080086934 A 20201204; EP 20828122 A 20201204; IT 201900024072 A 20191216;  
JP 2022536745 A 20201204; KR 20227019362 A 20201204