

Title (en)
CLOSING DEVICE

Title (de)
VERSCHLUSSVORRICHTUNG

Title (fr)
DISPOSITIF DE FERMETURE

Publication
EP 3468861 A1 20190417 (DE)

Application
EP 17730764 A 20170614

Priority
• DE 102016210531 A 20160614
• EP 2017064475 W 20170614

Abstract (en)
[origin: WO2017216200A1] The invention relates to a closure device (10) for closing an outer shell opening (4) of a surface ship (2), comprising several essentially perpendicularly mounted shutter lamellas (12) and a drive device (30) for actuating the shutter lamellas such that they slide between a closed position and an open position.

IPC 8 full level
B63B 19/08 (2006.01)

CPC (source: EP US)
B63B 19/08 (2013.01 - EP US); **B63B 19/19** (2013.01 - US); **B63B 19/19** (2013.01 - EP); **B63B 23/00** (2013.01 - EP);
E05Y 2900/514 (2013.01 - US)

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)
DE 102016210531 A1 20171214; BR 112018072662 A2 20190219; CO 2018011925 A2 20181113; EP 3468861 A1 20190417;
EP 3468861 B1 20230913; US 11084557 B2 20210810; US 2020307743 A1 20201001; WO 2017216200 A1 20171221

DOCDB simple family (application)
DE 102016210531 A 20160614; BR 112018072662 A 20170614; CO 2018011925 A 20181102; EP 17730764 A 20170614;
EP 2017064475 W 20170614; US 201716300616 A 20170614