

Title (en)
Submarine

Title (de)
Unterseeboot

Title (fr)
Sous-marin

Publication
EP 2266875 A3 20130227 (DE)

Application
EP 10005382 A 20100522

Priority
DE 102009025349 A 20090618

Abstract (en)
[origin: EP2266875A2] The submarine has a torpedo tube led through a wall of a pressure body, and a hollow part (5) formed within the pressure body for bearing a weapon i.e. torpedo, where diameter of a tub-shaped cross sectional outline of the hollow part is smaller than inside diameter of the torpedo tube. The hollow part is made of fiber-reinforced composite material with carbon fibers or pre-impregnated fibers, where the composite material is carbon fiber reinforced plastic. The hollow part is formed in a longitudinal direction (6) in an undivided manner.

IPC 8 full level
B63G 8/32 (2006.01)

CPC (source: EP)
B63G 8/32 (2013.01)

Citation (search report)
• [IY] US 4184801 A 19800122 - NICOLOFF NICHOLAS [US], et al
• [YA] DE 10031409 C1 20010906 - HOWALDTSWERKE DEUTSCHE WERFT [DE]
• [A] US 4685412 A 19870811 - HARRIS ROBERT M [US], et al

Cited by
WO2016146346A1

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 SE SI SK SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
EP 2266875 A2 20101229; EP 2266875 A3 20130227; EP 2266875 B1 20170201; DE 102009025349 A1 20101223;
DE 102009025349 B4 20161020; ES 2623934 T3 20170712; KR 101235154 B1 20130220; KR 20120065459 A 20120621;
PL 2266875 T3 20170831

DOCDB simple family (application)
EP 10005382 A 20100522; DE 102009025349 A 20090618; ES 10005382 T 20100522; KR 20100056957 A 20100616; PL 10005382 T 20100522