

Title (en)  
IMPROVED AIR INTRODUCTION DEVICE

Title (de)  
Verbesserte Luftansaugvorrichtung.

Title (fr)  
Dispositif amelioré d'introduction d'air.

Publication  
**EP 3002208 A1 20160406 (EN)**

Application  
**EP 15185083 A 20150914**

Priority  
IT BO20140543 A 20141003

Abstract (en)  
Described is a device for introducing an air flow (F) into a submarine (1), comprising a first duct (3) which is fixed relative to the hull of the submarine and a second duct (4) which is telescopically movable relative to the first duct (3), for emerging from the water with its upper end (4a) and allowing the air above to be sucked in while the submarine (1) is running at periscope depth, the first and second ducts (3, 4) being in fluid connection with air sucking means and being at least partly housed in a tower (5) of the submarine.

IPC 8 full level  
**B63G 8/36** (2006.01); **B63G 8/38** (2006.01)

CPC (source: EP KR US)  
**B63G 8/36** (2013.01 - EP KR US); **B63G 8/38** (2013.01 - EP US); **F24F 7/06** (2013.01 - KR); **F24F 11/89** (2017.12 - KR)

Citation (applicant)

- AU 2013100080 A4 20130228 - PMB DEFENCE ENG PTY LTD [AU]
- IT MI20061759 A1 20080316 - CALZONI SRL
- US 2009060710 A1 20090305 - GAMMACK PETER DAVID [GB], et al

Citation (search report)

- [YA] FR 2768393 A1 19990319 - CHAPLAIN DANIEL LOUIS [FR]
- [YA] EP 1462360 A1 20040929 - GABLER GMBH MASCHBAU [DE]

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 3002208 A1 20160406; EP 3002208 B1 20181205**; AU 2015227468 A1 20160421; AU 2015227468 B2 20181122; KR 102408925 B1 20220616; KR 20160040430 A 20160414; US 2016096603 A1 20160407

DOCDB simple family (application)  
**EP 15185083 A 20150914**; AU 2015227468 A 20150917; KR 20150138531 A 20151001; US 201514870324 A 20150930