

Title (en)  
SUBMERGED BUOY

Title (de)  
UNTERWASSERBOJE

Title (fr)  
BALISE IMMERGEE

Publication  
**EP 2193070 A2 20100609 (FR)**

Application  
**EP 08847956 A 20080828**

Priority  
• FR 2008001213 W 20080828  
• FR 0706107 A 20070831

Abstract (en)  
[origin: FR2920403A1] The beacon (1) has a case enclosing a radio acoustic signal receiver (4), and a mooring rope (11) attached to a mooring point at one end. An electro-mechanical type releasing mechanism i.e. gear motor (7), is enclosed in a sealed tank (5) constituting a reserve of buoyancy. The mechanism controls a ratchet (8) for blocking or allowing free rotation of a winding drum (10) around which the rope is spooled. The gear motor drives the ratchet in cooperation with teeth (9) for forming a ratchet mechanism to ensure unwinding of the rope when a signal is sent to the receiver.

IPC 8 full level  
**B63B 22/06** (2006.01)

CPC (source: EP US)  
**B63B 22/06** (2013.01 - EP US); **B63C 7/26** (2013.01 - EP US)

Citation (search report)  
See references of WO 2009060142A2

Cited by  
IT202100012857A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**FR 2920403 A1 20090306; FR 2920403 B1 20091106**; AT E500127 T1 20110315; CA 2698302 A1 20090514; CA 2698302 C 20150623; DE 602008005328 D1 20110414; EP 2193070 A2 20100609; EP 2193070 B1 20110302; ES 2362061 T3 20110627; PT 2193070 E 20110601; US 2011034094 A1 20110210; US 8353735 B2 20130115; WO 2009060142 A2 20090514; WO 2009060142 A3 20091015

DOCDB simple family (application)  
**FR 0706107 A 20070831**; AT 08847956 T 20080828; CA 2698302 A 20080828; DE 602008005328 T 20080828; EP 08847956 A 20080828; ES 08847956 T 20080828; FR 2008001213 W 20080828; PT 08847956 T 20080828; US 67593408 A 20080828