

Title (en)  
DEPLOYING DEVICE FOR AN UNDERWATER TRAILING ANTENNA

Title (de)  
AUSBRINGVORRICHTUNG FÜR EINE UNTERWASSER-SCHLEPPANTENNE

Title (fr)  
DISPOSITIF DE LARGAGE POUR UNE ANTENNE REMORQUEE SOUS-MARINE

Publication  
**EP 1558491 A1 20050803 (DE)**

Application  
**EP 03772255 A 20031024**

Priority

- DE 10250560 A 20021030
- EP 0311775 W 20031024

Abstract (en)  
[origin: WO2004039666A1] Disclosed is a deploying device that can be installed on a watercraft, particularly a submarine, is used for veering a tubular underwater trailing antenna (10), and comprises a storage drum (11) which receives the trailing antenna (10) and is driven by a motor so as to wind and unwind the trailing antenna (10), and a propulsion unit which grips the trailing antenna (10) and generates a tractive force (FA) on the trailing antenna (10) in the direction of deployment. In order to veer said trailing antenna (10) in a disturbance-free and unrestrained manner while keeping the mechanical wear thereof to a minimum, the trailing antenna (10) is directed via a motor-driven guide wheel (14) while a regulating device (20) is provided for synchronizing the driving motors (111, 141) of the storage drum (11) and the guide wheel (14) in a manner that is adapted to the tractive force (FA) acting on the trailing antenna (10) such that the section of the trailing antenna, which is located between the storage drum (11) and the guide wheel (14), is essentially stretched.

IPC 1-7  
**B63G 8/38**; **B63G 8/39**; **B63B 21/66**; **H01Q 1/34**

IPC 8 full level  
**B63B 21/66** (2006.01); **B63G 8/38** (2006.01); **B63G 8/39** (2006.01); **H01Q 1/04** (2006.01); **H01Q 1/08** (2006.01); **H01Q 1/34** (2006.01)

CPC (source: EP)  
**B63B 21/66** (2013.01); **B63G 8/38** (2013.01); **B63G 8/39** (2013.01); **H01Q 1/04** (2013.01); **H01Q 1/087** (2013.01); **H01Q 1/34** (2013.01)

Citation (search report)  
See references of WO 2004039666A1

Cited by  
KR101339191B1; KR20230039951A; US11312791B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2004039666 A1 20040513**; AT E382543 T1 20080115; AU 2003279316 A1 20040525; AU 2003279316 B2 20080904; CA 2493415 A1 20040513; CA 2493415 C 20071211; DE 10262054 A1 20050317; DE 10262054 B4 20050825; DE 50308943 D1 20080214; EP 1558491 A1 20050803; EP 1558491 B1 20080102; ES 2297232 T3 20080501; NO 20051587 D0 20050330; NO 20051587 L 20050330; NO 335240 B1 20141027

DOCDB simple family (application)  
**EP 0311775 W 20031024**; AT 03772255 T 20031024; AU 2003279316 A 20031024; CA 2493415 A 20031024; DE 10262054 A 20021030; DE 50308943 T 20031024; EP 03772255 A 20031024; ES 03772255 T 20031024; NO 20051587 A 20050330