

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 B1 20080102 (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 8 full level
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Cited by
KR101339191B1; KR20230039951A; US11312791B2

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