

Title (en)

A device to reverse the screw-propeller thrust, with the functions of hydrodynamic brake and rudder

Title (de)

Gerät zur Umkehrung des Schraubenschubes, mit der Funktion als hydrodynamische Bremse und Ruder zu wirken

Title (fr)

Un dispositif pour inverser la poussée produite par le propulseur naval, avec la fonction de frein hydrodynamique et de gouvernail

Publication

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Application

EP 97107688 A 19970510

Priority

IT RI960003 A 19961128

Abstract (en)

A device to reverse the screw-propeller thrust, with functions of hydrodynamic brake and rudder. The object of the invention is to provide a simple and efficient device which carries out the reversal of the screw-propeller thrust in a short time, with a hydrodynamic brake and rudder capability. Said device has a couple of main movable components facing each other, with vertical axes of rotation(7,8). One main movable component has two secondary plane vertical surfaces(9,10) one of which is movable(9), the other(10) is fixed. When the two main components make an angle with its vertex on the opposite side of propeller, this shape first makes the device cause the division of the propeller flow followed by the reversal of it. Without the propeller thrust, the device operates like a hydrodynamic brake. When the two main movable components rotate in parallel fashion, they will operate like a rudder. <IMAGE>

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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