

Title (en)  
CENTRIFUGAL PROPULSION APPARATUS AND SHIP HAVING SAME

Title (de)  
ZENTRIFUGALANTRIEBSVORRICHTUNG UND SCHIFF DAMIT

Title (fr)  
APPAREIL DE PROPULSION CENTRIFUGE ET NAVIRE EN ÉTANT DOTÉ

Publication  
**EP 3121110 A1 20170125 (EN)**

Application  
**EP 15762195 A 20150312**

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Abstract (en)  
The present invention provides a centrifugal propulsion apparatus capable of forward and backward movement, and a ship having the same, the apparatus including: two impellers which are rotated by a power shaft, face each other, and are capable of jetting a fluid in opposite directions; and a power transmission unit provided between the power shaft and the two impellers so as to connect one impeller between the two impellers and the power shaft or connect the other impeller and the power shaft according to a rotational direction of the power shaft.

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