

Title (en)  
TRANSVERSE THRUSTER FOR SHIPS, PARTICULARLY A BOW THRUSTER

Publication  
**EP 0306642 B1 19921230 (DE)**

Application  
**EP 88109904 A 19880622**

Priority  
DE 8711216 U 19870818

Abstract (en)  
[origin: EP0306642A2] The transverse thruster consists of a transverse-thrust passage, formed in the hull and consisting of a tunnel tube, and a transmission housing arranged in this transverse-thrust passage and having a propeller, air-discharge openings (30) being formed in or at the wall (22) of the tunnel tube (21) in order to reduce noise during start-up, which air-discharge openings (30) are connected to an air compressor via at least one air-supply tube (31) and are of appropriate size for forming a finely distributed air flow. <IMAGE>

IPC 1-7  
**B63H 1/18**; **B63H 5/14**; **B63H 11/00**

IPC 8 full level  
**B63H 1/18** (2006.01); **B63H 5/14** (2006.01); **B63H 11/00** (2006.01); **B63H 25/46** (2006.01)

CPC (source: EP)  
**B63H 25/46** (2013.01)

Cited by  
WO2013079584A1; WO2022188988A1; KR101034332B1; EP2257463A4; CN102883948A; DE102014209426B4; DE202018100926U1; WO03047966A2; DE102014209426A1; WO03047966A3; DE102011055998A1; WO2009126097A1

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