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(54) **Marine vehicle with thrust boosting device**

(57) A marine vehicle (200) includes a hull (210), a propeller (201), and a thrust boosting device (2) mounted to the hull (210) and disposed forwardly of the propeller (201). The thrust boosting device (2) includes first, second and third fin members (21, 22, 23) extending radially with respect to a rotational axis (L) of the propeller (201). The first, second and third fin members (21, 22, 23) form first, second and third angles (θ_1 , θ_2 , θ_3) with a reference line (S) that extends upwardly from and that is perpendicular to the rotational axis (L), respectively. The first angle (θ_1) ranges between 70 and 110°, the second angle (θ_2) ranges between 225° and 255°, and the third angle (θ_3) ranges between 285° and 315°.

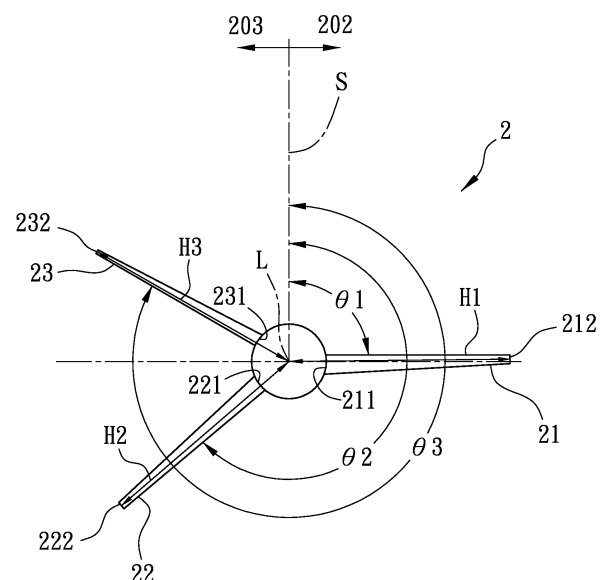


FIG. 5



EUROPEAN SEARCH REPORT

Application Number
EP 13 16 0413

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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X	DE 20 2009 009899 U1 (BECKER MARINE SYS GMBH & CO KG [DE]) 2 December 2010 (2010-12-02) * claims 1-15; figures 1-2 *	1-8	
			TECHNICAL FIELDS SEARCHED (IPC)
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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 18 April 2017	Examiner Regaud, Christian
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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