

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent of: Maguire	§	Petition for <i>Inter Partes</i> Review
	§	
U.S. Patent No. 8,305,840	§	Attorney Docket No.: 70052.703
	§	
Issued: November 6, 2012	§	Customer No.: 27683
	§	
Title: DOWNSCAN IMAGING SONAR	§	Real Party in Interest: Raymarine, Inc.
	§	
	§	

PETITION FOR INTER PARTES REVIEW

Mail Stop Patent Board
Patent Trial and Appeal Board
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to the provisions of 35 U.S.C. §§ 311-319, Raymarine, Inc. (“Petitioner”) hereby petitions the Patent Trial and Appeal Board to institute an *inter partes* review of claims 4, 6, 8-9, 12-15, 22, 27-28, 34-37, 43, 54-55, 63, and 65-68 of United States Patent No. 8,305,840 (“the ’840 Patent,” Exhibit RAY-1001) that issued on November 6, 2012, to Brian T. Maguire, resulting from U.S. Patent Application No. 12/460,139, filed on July 14, 2009. According to USPTO records, the ’840 Patent has recently been assigned to Navico Holding AS.

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 under 35 U.S.C. § 103(a) over Hydrography in view
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iii. Challenge #3: Claims 4, 6, 9, 12-15, 22, and 34-37 are obvious under 35 U.S.C. § 103(a) over Hydrography in view of Boucher ‘798 and DeRoos34

iv. Challenge #4: Claims 8, 12-15, 27-28, 34-37,43, 54-55, 63, and 65-68 are obvious under 35 U.S.C. § 103(a) over Hydrography in view of Adams and Betts.....39

v. Challenge #5: Claims 8, 12-15, 27-28, 34-37, 43, 54-55, 63, and 65-68 are obvious under 35 U.S.C. § 103(a) over Hydrography in view of Boucher ‘552, Adams, and Betts.....51

vi. Challenge #6: Claims 8, 12-15, 27-28, 34-37, 43, 54-55, 63, and 65-68 are obvious under 35 U.S.C. § 103(a) over Hydrography in view of Boucher ‘798, DeRoos, Adams, and Betts.....55

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I. Mandatory Notices

A. Real Party-in-Interest

The real party-in-interest is Raymarine, Inc. a subsidiary of FLIR Systems, Inc.

B. Related Matters

As of the filing date of this petition, the '840 Patent was asserted against the real party-in-interest in *Navico, Inc. v. Raymarine, Inc.* 4:13-cv-00251 (N.D. Okla.).

Petitioner filed petition IPR2013-00355 for *inter partes* review of claims 1-2, 5, 7, 16-21, 23, 25, 30, 32, 38-42, 45, 64, and 70-73 of the '840 Patent on June 13, 2013.

Concurrently with this petition, Petitioner is filing a petition for *inter partes* review of claims 3, 10-11, 24, 26, 29, 31, 33, 44, 46-53, 56-62, and 69 of the '840 Patent.

C. Lead and Back-up Counsel and Service Information

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II. Grounds for Standing

Petitioner certifies that the '840 Patent is eligible for *inter partes* review and Petitioner is not estopped or barred from requesting inter partes review of the '840 Patent. A complaint asserting that Petitioner infringes the '840 Patent was filed on April 29, 2013, but Petitioner has not yet been served. Petitioner has not initiated a civil action challenging validity of any claim of the '840 Patent.

III. Relief Requested

Petitioner asks that the Board review the accompanying prior art, analysis, and declarations, institute a trial for *inter partes* review of claims 4, 6, 8-9, 12-15, 22, 27-28, 34-37, 43, 54-55, 63, and 65-68 of the '840 Patent, and cancel those claims as unpatentable.

IV. The Reasons for the Requested Relief

The full statement of the reasons for the relief requested is as follows:

A. Summary of Reasons

The '840 Patent relates to a downward facing (referred to as “downscan” in the '840 Patent) imaging sonar system utilizing a rectangular (referred to as “linear” in the '840 Patent) transducer element to provide images of the sea floor and other objects in the water column beneath a vessel. In general, the '840 Patent describes a sonar assembly with a conventional transducer having a rectangular

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