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(54) **ENHANCED SYSTEM AND METHOD FOR REMOTELY DEPLOYING BOAT FENDERS**

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See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,526,124 A * 7/1985 Hartwall B63B 59/02 114/219
4,773,348 A * 9/1988 Rowley E02B 3/26 114/219
6,758,155 B1 7/2004 Nicholas
7,007,622 B1 3/2006 Clark
9,038,556 B2 5/2015 Ulgen
2004/0193371 A1* 9/2004 Koshiji G01C 21/3688 701/455

* cited by examiner

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(57) **ABSTRACT**

An enhanced system and various methods for remotely deploying boat fenders from a safe and convenient location. The fenders, which are placed along the entire periphery of the boat, may be deployed and retracted with lines attached to winches and motors. A smart phone app may be employed to remind users to deploy fenders upon entering known ports, and may also deploy the fenders automatically.

20 Claims, 20 Drawing Sheets

