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DUAL-MODE CONTRAPROPELLER WITH CURVE STACKING LINE FOR BLADE

Summary

The present paper provides motivation for equipping a dual-mode contrapropeller (functioning both in reactive and passive modes) with curve stacking line for blade. The patent on multi-function propulsive system that uses a contrapropeller of the kind is described in the paper. Comparative analyses of curvilinear and traditional blade configurations basing on a trawler's design calculations was performed and the results are presented in the paper. The paper describes advantages of the patented multi-function propulsive system with regard to energy saving and reliability.