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(12) **United States Patent**
Smith

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(54) **PUMPING DEVICE**

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F05D 2200/261; F05D 2200/262

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See application file for complete search history.

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 1052 days.

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(52) **U.S. Cl.**

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(57) **ABSTRACT**

A pump is disclosed, with a casing comprising a substantially circular body having at least two radial inlets, at least one peripheral outlet and a transversal aperture. The casing further comprises a substantially circular impeller mounted within the body for rotation about the aperture. The impeller has a substantially uninterrupted sinusoidal profile. A pumping system and a method of pumping are also disclosed, which use the pump configuration.

(58) **Field of Classification Search**

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