

Title (en)  
COUNTER-CURRENT SWIMMING APPARATUS

Publication  
**EP 0017973 A3 19801210 (DE)**

Application  
**EP 80102038 A 19800416**

Priority  
AT 286379 A 19790417

Abstract (en)  
[origin: US4352215A] Jet stream device consisting of a submersible electrical motor, a pump, a housing, an outlet nozzle and fixing means, in which the motor drives the impeller of an axial pump, located in a necked-down portion of the casing and wherein the smallest cross-section of said necked-down portion coincides approximately with the cross-section of the outlet nozzle, which is positioned behind the necked-down portion and wherein furthermore motor, pump impeller, necked-down portion and outlet nozzle are surrounded by a housing whose width coincides approximately with the width of the outlet nozzle.

IPC 1-7  
**E04H 3/18**

IPC 8 full level  
**A63B 69/12** (2006.01)

CPC (source: EP US)  
**A63B 69/125** (2013.01 - EP US); **A63B 2210/50** (2013.01 - EP US)

Citation (search report)

- DE 1653760 B1 19701105 - UWE UNTERWASSER ELECTRIC GMBH
- DE 1927956 B
- DE 2401040 A1 19750724 - OPLAENDER WILO WERK GMBH

Cited by  
EP3653275A1

Designated contracting state (EPC)  
CH DE FR IT

DOCDB simple family (publication)  
**EP 0017973 A2 19801029; EP 0017973 A3 19801210; EP 0017973 B1 19841128**; AT 375130 B 19840710; AT A286379 A 19831115; DE 3069690 D1 19850110; US 4352215 A 19821005

DOCDB simple family (application)  
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