

Title (en)  
MULTI-STAGE AERATOR

Title (de)  
MEHRSTUFENBELÜFTER

Title (fr)  
APPAREIL D'AERATION A PLUSIEURS ETAGES

Publication  
**EP 1140336 A4 20030205 (EN)**

Application  
**EP 98962106 A 19981214**

Priority  
US 9826555 W 19981214

Abstract (en)  
[origin: WO0035568A1] An aerator for aerating water in a livewell (114) includes a main impeller (10) and a booster impeller (12) within a pump casing (14). The pump casing (14) has a water inlet (16), a water outlet (20), and an air inlet (18) positioned between the main impeller (10) and the booster impeller (12). The aerator is useable on a fishing boat having a sea-chest (110) and a livewell (114). The aerator is used to pump water from the sea-chest (110) to the livewell (114), the sea-chest (110) being provided with an air relief line (124) having a check valve (126) to prevent air from entering the aerator and causing air lock.

IPC 1-7  
**B01F 3/04**; B63B 35/26; A01K 63/04

IPC 8 full level  
**A01K 63/04** (2006.01); **B01F 25/64** (2022.01); **B01F 25/60** (2022.01)

CPC (source: EP)  
**B01F 23/2334** (2022.01); **B01F 23/23761** (2022.01); **B01F 25/60** (2022.01); **B01F 27/191** (2022.01); **B01F 27/80** (2022.01)

Citation (search report)

- [E] US 5988600 A 19991123 - VENTO THOMAS JOSEPH [US]
- [AD] US 5582777 A 19961210 - VENTO THOMAS J [US]
- See references of WO 0035568A1

Cited by  
CN111392676A

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DOCDB simple family (publication)  
**WO 0035568 A1 20000622**; AU 1726499 A 20000703; AU 767572 B2 20031120; EP 1140336 A1 20011010; EP 1140336 A4 20030205; JP 2002532221 A 20021002

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