

Title (en)  
DEVICE FOR MIXING GAS IN A LIQUID

Title (de)  
VORRICHTUNG ZUM MISCHEN VON GAS IN FLÜSSIGKEITEN

Title (fr)  
DISPOSITIF SERVANT A MELANGER UN GAZ DANS UN LIQUIDE

Publication  
**EP 0885057 B1 20010912 (EN)**

Application  
**EP 96910235 A 19960305**

Priority  
• CA 2247262 A 19960305  
• CN 96180152 A 19960305  
• NO 9600047 W 19960305  
• NO 943285 A 19940906

Abstract (en)  
[origin: WO9732661A1] A device for adding a gas to a liquid, comprising an elongated housing (6) that is submersible in the liquid. The housing (6) has inlet openings (8, 9) for gas and liquid, respectively. An axle (4) situated in the housing (6) is, at its first end, connected to a motor (2), and at its second end is provided with a pump vane (5), wherein a mixture of gas and liquid is discharged in the vicinity of the pump vane (5). A gas tube (7) in the housing (6) communicates with the first inlet opening (8) for gas, and is provided with a nozzle (11) with openings (12). The nozzle (11) is situated in a venturi (13), and the gas tube (7) is controllable in the longitudinal direction, so that the position of the nozzle (11) in relation to the venturi (13) can be changed.

IPC 1-7  
**B01F 3/04**; **B01F 7/18**

IPC 8 full level  
**B01F 3/04** (2006.01); **B01F 3/08** (2006.01); **B01F 5/02** (2006.01); **B01F 7/18** (2006.01)

CPC (source: EP)  
**B01F 23/23341** (2022.01); **B01F 23/454** (2022.01); **B01F 25/21** (2022.01); **B01F 23/23** (2022.01)

Designated contracting state (EPC)  
DE DK ES FI FR GB IE IT NL PT SE

DOCDB simple family (publication)  
**WO 9732661 A1 19970912**; AU 5348596 A 19970922; AU 710845 B2 19990930; CA 2247262 A1 19970912; CN 1213986 A 19990414; DE 69615222 D1 20011018; DE 69615222 T2 20020613; DK 0885057 T3 20020121; EP 0885057 A1 19981223; EP 0885057 B1 20010912; ES 2163620 T3 20020201; NO 180073 B 19961104; NO 180073 C 19970212; NO 943285 D0 19940906; NO 943285 L 19960307

DOCDB simple family (application)  
**NO 9600047 W 19960305**; AU 5348596 A 19960305; CA 2247262 A 19960305; CN 96180152 A 19960305; DE 69615222 T 19960305; DK 96910235 T 19960305; EP 96910235 A 19960305; ES 96910235 T 19960305; NO 943285 A 19940906