

Title (en)
Pressurized gas-water mixer

Title (de)
Druckgas-wasser Mischer

Title (fr)
Mélangeur gas-eau pressurisé

Publication
EP 1647325 A1 20060419 (EN)

Application
EP 04024300 A 20041012

Priority
EP 04024300 A 20041012

Abstract (en)
A pressurized gas-water mixer, utilized in a multifunctional oxygenated water machine, is disclosed. The pressurized gas-water mixer has a hollow main body which has an inlet for entering the water and the ozone gas and an outlet for flowing out a product. The water and the gas flow into the hollow main body in the same direction to make them come across at a narrow portion so as to form a pressure difference between the both, and then the ozone gas is attracted into the hollow main body when the water flows out so as to produce an attraction. Consequently, the water and the ozone gas can flow quickly and smooth and mix with each other quickly.

IPC 8 full level
B01F 3/04 (2006.01); **B01F 5/04** (2006.01)

CPC (source: EP US)
B01F 23/232 (2022.01 - EP); **B01F 23/2326** (2022.01 - EP US); **B01F 25/312** (2022.01 - EP); **B01F 25/312512** (2022.01 - EP);
B01F 25/312532 (2022.01 - EP); **B01F 25/312533** (2022.01 - EP)

Citation (search report)

- [X] DE 1068223 B
- [AD] US 5863128 A 19990126 - MAZZEI ANGELO L [US]
- [A] GB 2016940 A 19791003 - BATTELLE MEMORIAL INSTITUTE
- [A] WO 03013712 A1 20030220 - BOSCH GMBH ROBERT [DE], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 004, no. 174 (C - 033) 2 December 1980 (1980-12-02)
- [A] PATENT ABSTRACTS OF JAPAN vol. 2003, no. 12 5 December 2003 (2003-12-05)

Cited by
FR2944218A1; NL2021846A; CN110872137A; WO2020083919A1; WO2010116076A1; TWI730813B

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1647325 A1 20060419

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