

Title (en)
Self-sucking rotatable dispersing device

Title (de)
Selbstansaugende, rotierbare Dispergiervorrichtung

Title (fr)
Dispositif de dispersion rotatif et auto-aspirante

Publication
EP 0993862 B1 20030604 (DE)

Application
EP 99120397 A 19991013

Priority
DE 29818255 U 19981013

Abstract (en)
[origin: US6394430B1] An auto-aspirating, rotational dispersion device for gases and liquids with a rotating hollow shaft employed for gas suction and gas channels communicating with said hollow shaft to openings in the gas channels that are positioned at intervals over the circumference of the device, at which openings the gas and liquid are mixed. The device is distinguished by the fact that the gas being dispersed flows in a manner separate from the liquid, from the hollow shaft through the gas channels and is mixed with the liquid outside of the device.

IPC 1-7
B01F 3/04; **C02F 3/20**

IPC 8 full level
B01F 3/04 (2006.01); **B01F 7/00** (2006.01); **B01F 15/00** (2006.01); **C02F 3/20** (2006.01)

CPC (source: EP US)
B01F 23/2331 (2022.01 - EP US); **B01F 23/23311** (2022.01 - EP); **B01F 23/23314** (2022.01 - EP); **B01F 23/23352** (2022.01 - EP); **B01F 23/23354** (2022.01 - EP); **B01F 27/111** (2022.01 - EP US); **B01F 27/15** (2022.01 - EP US); **B01F 23/23311** (2022.01 - US); **B01F 23/23314** (2022.01 - US); **B01F 23/23352** (2022.01 - US); **B01F 23/23354** (2022.01 - US)

Cited by
DE102019101934A1; CN114272806A; EP3685910A2; US11623185B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
US 6394430 B1 20020528; AT E242043 T1 20030615; DE 29818255 U1 20000217; DE 59905813 D1 20030710; DK 0993862 T3 20030929; DK 0993862 T4 20070507; EP 0993862 A1 20000419; EP 0993862 B1 20030604; EP 0993862 B2 20061227

DOCDB simple family (application)
US 41800099 A 19991013; AT 99120397 T 19991013; DE 29818255 U 19981013; DE 59905813 T 19991013; DK 99120397 T 19991013; EP 99120397 A 19991013