

Title (en)

High efficiency spray device particularly for producing water microdroplets

Title (de)

Sprühvorrichtung mit erhöhtem Wirkungsgrad, insbesondere zur Erzeugung von Mikrotröpfchen von Wasser

Title (fr)

Dispositif de pulvérisation à rendement élevé notamment d'eau sous forme de micro-gouttelettes

Publication

**EP 0782885 B1 20011024 (FR)**

Application

**EP 97400008 A 19970103**

Priority

FR 9600048 A 19960104

Abstract (en)

[origin: EP0782885A1] The water micro-drop spray has a first water filled vat (1a) and second water filled vat (1b) separated by a central transducer (5). The transducer has two faces flush with the water one for each vat section. The piezoelectric transducer transmits waves in both water sections, and each water vat has an open section (4a,4b) opposite the transducer faces.

IPC 1-7

**B05B 17/06**

IPC 8 full level

**B05B 1/24** (2006.01); **B05B 3/14** (2006.01); **B05B 17/06** (2006.01)

CPC (source: EP US)

**B05B 1/24** (2013.01 - EP US); **B05B 7/0012** (2013.01 - EP US); **B05B 17/0607** (2013.01 - US); **B05B 17/0615** (2013.01 - EP); **Y10S 261/48** (2013.01 - EP US)

Cited by

CN113390151A; WO2019048761A1; WO2016087752A1; WO2019048763A1; WO2017103548A1; DE202018001633U1; DE202018001632U1; DE202018001634U1; WO2018178539A1; DE202018006308U1; DE202018006305U1; DE202018006306U1; EP4292480A2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 0782885 A1 19970709; EP 0782885 B1 20011024**; DE 69707511 D1 20011129; DE 69707511 T2 20020718; FR 2743313 A1 19970711; FR 2743313 B1 19980206; JP H09192555 A 19970729; US 5836515 A 19981117

DOCDB simple family (application)

**EP 97400008 A 19970103**; DE 69707511 T 19970103; FR 9600048 A 19960104; JP 35672596 A 19961227; US 77836297 A 19970102