

Title (en)
NEBULIZER WITH STATIONARY SCREEN

Title (de)
VERNEBLER MIT STATIONÄREM SIEB

Title (fr)
DISPOSITIF DE NEBULISATION A TAMIS FIXE

Publication
EP 3204096 A1 20170816 (FR)

Application
EP 15788144 A 20151005

Priority
• FR 1459553 A 20141006
• FR 2015052665 W 20151005

Abstract (en)
[origin: WO2016055723A1] The present invention relates to a nebulizer comprising at least one tank (6) for containing a liquid, wherein said tank (6) comprises an opening (O) on the outer surface thereof for pouring said liquid into the tank (6); a stationary screen (2) comprising a plurality of microscopic holes, wherein one surface (2a) of the screen, in contact with the same liquid contained in the tank, is arranged opposite a piezoelectric device (1) that is in contact with same liquid contained in the tank (6) such that the vibrations of the piezoelectric device (1) are transmitted to the liquid, forcing same through the holes of the screen (2) to produce an aerosol from a so-called emitting surface (2b) of said screen. The opening (O) of the tank (6) intended for filling same in an operation position of said device, is located above the surface (2a) of the screen arranged horizontally in the operation position, and opposite the piezoelectric device (1), so as to produce, in said operation position, an aerosol along an axis of around 30 degrees in relation to the vertical, from top to bottom.

IPC 8 full level
A61M 11/00 (2006.01); **A61M 15/00** (2006.01); **A61M 15/08** (2006.01); **A61M 16/00** (2006.01); **A61M 16/08** (2006.01); **A61M 16/14** (2006.01); **B05B 11/00** (2006.01); **B05B 17/00** (2006.01)

CPC (source: EP)
A61M 11/003 (2014.02); **A61M 11/005** (2013.01); **A61M 15/0085** (2013.01); **A61M 15/08** (2013.01); **B05B 17/0638** (2013.01); **A61M 16/0833** (2014.02); **A61M 16/147** (2014.02); **A61M 2205/0294** (2013.01)

Citation (search report)
See references of WO 2016055723A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
FR 3026646 A1 20160408; FR 3026646 B1 20191101; EP 3204096 A1 20170816; WO 2016055723 A1 20160414

DOCDB simple family (application)
FR 1459553 A 20141006; EP 15788144 A 20151005; FR 2015052665 W 20151005