

Title (en)

Device for a bathtub for production of a massage jet of water and air

Title (de)

Vorrichtung für eine Sanitärwanne zur Erzeugung eines aus Wasser und Luft bestehenden Massagestroms

Title (fr)

Dispositif pour une baignoire pour la production d'un jet de massage composé d'eau et d'air

Publication

**EP 1591096 B1 20060705 (DE)**

Application

**EP 04018199 A 20040731**

Priority

DE 102004021471 A 20040430

Abstract (en)

[origin: EP1591096A1] The massaging device is installed in the in wall of a bathtub (1) and incorporates an electric motor (6). This drives a propeller (8) drawing in water (29) through a rosette (11) surrounding a central circular outlet (24) with straightening vanes (25). Air is drawn in through a pipe (15) adjacent to the electric motor, it passes through the hollow hub (16) of the propeller, which has additional vanes (18) and is mixed with water leaving the propeller.

IPC 8 full level

**A61H 23/00** (2006.01); **A61H 33/00** (2006.01); **A61H 33/02** (2006.01)

CPC (source: EP US)

**A61H 33/6047** (2013.01 - EP US); **A61H 33/6063** (2013.01 - EP US); **A61H 33/0087** (2013.01 - EP US)

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)

**US 2005241060 A1 20051103; US 7143456 B2 20061205**; AT E332117 T1 20060715; AU 2005201720 A1 20051117; CN 1692866 A 20051109; DE 102004021471 B3 20050421; DE 502004000922 D1 20060817; DK 1591096 T3 20061030; EP 1591096 A1 20051102; EP 1591096 B1 20060705; ES 2265131 T3 20070201; JP 2005312910 A 20051110; JP 4157517 B2 20081001; RU 2005113184 A 20061110; RU 2294190 C2 20070227; SG 116569 A1 20051128

DOCDB simple family (application)

**US 92881004 A 20040827**; AT 04018199 T 20040731; AU 2005201720 A 20050422; CN 200410088358 A 20041103; DE 102004021471 A 20040430; DE 502004000922 T 20040731; DK 04018199 T 20040731; EP 04018199 A 20040731; ES 04018199 T 20040731; JP 2004335753 A 20041119; RU 2005113184 A 20050429; SG 200407938 A 20041020