

Title (en)
AIR WASHER

Title (de)
LUFTWÄSCHER

Title (fr)
PURIFICATEUR D'AIR

Publication
EP 3009760 A1 20160420 (EN)

Application
EP 15189867 A 20151015

Priority
KR 20140139919 A 20141016

Abstract (en)
According to the present invention, an air washer comprises a case including an inlet and an outlet, a tank disposed in the case and containing water, the case removably placed on the tank, a blowing fan unit disposed in the case and blowing air through the inlet and the outlet, a disk unit disposed to partially soak in the water contained in the tank and rotating while supported by the tank, a disk driver disposed in the case and rotating the disk unit, a germicidal lamp disposed in the tank and transmitting light to the water in the tank to sterilize the water, and a control box disposed in the case and applying power to the germicidal lamp. According to the present invention, the air washer has a germicidal lamp capable of killing germs in the tank and may thus suppress generation of harmful germs in the stored water.

IPC 8 full level
F24F 13/20 (2006.01); **F24F 6/06** (2006.01)

CPC (source: EP KR)
F04D 25/08 (2013.01 - KR); **F24F 6/06** (2013.01 - EP); **F24F 6/16** (2013.01 - KR); **F24F 8/22** (2021.01 - KR); **F24F 13/20** (2013.01 - EP KR);
F24F 2006/006 (2013.01 - EP); **F24F 2006/008** (2013.01 - EP KR); **F24F 2006/065** (2013.01 - EP KR)

Citation (applicant)
KR 101004555 B1 20110103

Citation (search report)
• [YA] KR 20120075997 A 20120709 - WINIAMANDO INC [KR]
• [Y] WO 2006119524 A1 20061116 - KALCH REINHARD [AT]
• [Y] US 2006011558 A1 20060119 - FENCL FORREST B [US], et al
• [Y] GB 2500011 A 20130911 - DYSON TECHNOLOGY LTD [GB]

Cited by
US11867198B2

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)
EP 3009760 A1 20160420; EP 3009760 B1 20200722; CN 105289159 A 20160203; CN 105289159 B 20170822; KR 101634530 B1 20160629;
KR 20160044882 A 20160426

DOCDB simple family (application)
EP 15189867 A 20151015; CN 201510665179 A 20151015; KR 20140139919 A 20141016