

Title (en)
AIR WASHER

Title (de)
LUFTWÄSCHER

Title (fr)
PURIFICATEUR D'AIR

Publication
EP 3009760 A1 20160420 (EN)

Application
EP 15189867 A 20151015

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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.

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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

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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

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BA ME

DOCDB simple family (publication)
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