

Title (en)
Vaporizing humidifier

Title (de)
Verdunstungsbefeuchter

Title (fr)
Humificateur à vaporisation

Publication
EP 2860464 A1 20150415 (EN)

Application
EP 14187598 A 20141003

Priority
JP 2013212184 A 20131009

Abstract (en)
A humidifier (10) including a reservoir (16) for storing water, a humidifying filter (22) disposed inside the reservoir (16), a blowing fan (34) for drawing in outside air and for discharging air humidified by passing through the humidifying filter (22) to the outside, and a motor (36) that rotates the blowing fan (34). A dome-shaped upper cover (42) covers the motor from above, a peripheral gutter (44) is formed so as to extend along the peripheral portion of the upper cover (42), intersecting gutters (50) are formed so as to extend outward from the peripheral gutter (44) and intersect the flow of the air that is to be discharged to the outside, and a water channel (32) is formed so as to extend from the intersecting gutters (50) toward the reservoir (16). Thereby a water filling opening (48) for replenishing the water in a reservoir (16) is formed as large as possible.

IPC 8 full level
F24F 6/04 (2006.01)

CPC (source: CN EP)
F24F 6/043 (2013.01 - CN EP); **F24F 11/52** (2017.12 - CN EP); **F24F 2006/008** (2013.01 - CN EP)

Citation (applicant)
• JP 2012207863 A 20121025 - DAINICHI CO LTD
• JP 2008082560 A 20080410 - TOSHIBA HOME TECH CORP
• JP 2006003042 A 20060105 - HITACHI HOME TEC LTD

Citation (search report)
[A] WO 2009070902 A1 20090611 - PLASTON AG [CH], et al

Cited by
EP3163180A1; EP4390250A1; EP3163184A1; CN106855271A; EP3447402A3; CN111649471A; NL2026107B1; EP3163182A1; EP3163191A1; US2023136098A1; EP4455566A1; EP3163204A1; EP3163183A1; EP3163178A1; EP3163185A1; EP4390256A1; EP3163190A1; CN107014021A; USD873283S; US10359204B2; US10072858B2; US10094580B2; US10054323B2; US10054322B2; WO2022205887A1; US10151499B2; USD865930S; US10101044B2; US10330104B2; US10094582B2; US10830469B2

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

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EP 2860464 A1 20150415; EP 2860464 B1 20181121; CN 104566738 A 20150429; CN 104566738 B 20170613; HK 1205238 A1 20151211; JP 2015075285 A 20150420; JP 6179948 B2 20170816

DOCDB simple family (application)
EP 14187598 A 20141003; CN 201410509364 A 20140928; HK 15105938 A 20150623; JP 2013212184 A 20131009