

Title (en)
FILTERING CARTRIDGE ASSEMBLY AND HUMIDIFIER HAVING SAME

Title (de)
FILTERKARTUSCHE UND BEFEUCHTER, DER DIESELBE AUFWEIST

Title (fr)
ENSEMBLE CARTOUCHE DE FILTRE ET HUMIDIFICATEUR DOTÉ DE CELUI-CI

Publication
EP 4239252 A1 20230906 (EN)

Application
EP 22181911 A 20220629

Priority
CN 202210200281 A 20220302

Abstract (en)
A filtering cartridge assembly includes: a water collecting tray (1) including a first water supplying hole (111) and a plurality of water draining holes in a bottom wall; a water recovery tray (2) below the water collecting tray, and including a second water supplying hole and a plurality of water recovery holes in a bottom wall; a support frame connected between the water collecting tray and the water recovery tray; a water supplying pipe between the water collecting tray and the water recovery tray, and including first and second orifices communicating with the first and second water supplying holes, respectively; and a plurality of water guiding members (4) in one-to-one correspondence with the plurality of water draining holes, each including a first end passing through a corresponding water draining hole and a second end connected to the bottom wall of the water recovery tray.

IPC 8 full level
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CPC (source: CN EP US)
F24F 6/04 (2013.01 - CN US); **F24F 6/06** (2013.01 - EP); **F24F 13/20** (2013.01 - US); **F24F 13/32** (2013.01 - CN); **F28F 25/00** (2013.01 - CN); **F28F 25/04** (2013.01 - CN); **F28F 25/082** (2013.01 - CN); **F24F 2006/008** (2013.01 - EP US); **F24F 2006/046** (2013.01 - EP US); **F28F 25/082** (2013.01 - US); **F28F 25/087** (2013.01 - US); **F28F 2025/005** (2013.01 - CN)

Citation (search report)
• [XAY] US 4651819 A 19870324 - YUMIKURA TSUNEO [JP], et al
• [A] US 3795388 A 19740305 - TOTH A
• [Y] US 2004050537 A1 20040318 - KIM JEUNG-HOON [KR], et al
• [A] US 4520866 A 19850604 - NAKAJIMA TADAKATSU [JP], et al

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
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EP 22181911 A 20220629; CN 202210200281 A 20220302; US 202217851799 A 20220628