

Title (en)  
MAXIMALLY DECONTAMINATING MIST SPRAYING DEVICE

Title (de)  
MAXIMAL DEKONTAMINIERENDE NEBENSPRÜHVORRICHTUNG

Title (fr)  
DISPOSITIF DE BRUMISATION A DECONTAMINATION MAXIMALE

Publication  
**EP 1827709 A1 20070905 (FR)**

Application  
**EP 05800601 A 20050902**

Priority  
• FR 2005002187 W 20050902  
• FR 0410233 A 20040928

Abstract (en)  
[origin: WO2006035125A1] The mist spraying device comprises: a mist spraying manifold (14) having a number of mist spraying nozzles; a source of liquid (10) that furnishes the liquid to be supplied to said mist spraying manifold, and; a pump (12) designed for furnishing pressurized liquid from said source to the mist spraying manifold. The device also comprises a particulate filter (16) that retains particles of a size larger than approximately 1  $\mu$ m or comprises a charged particulate filter that retains colloidal particles and substances of a size larger than approximately 0.5  $\mu$ m (16) while receiving the liquid coming from said source. The inventive device additionally comprises an ultrafiltration filter (18) that receives the liquid coming from the particulate filter for retaining microorganisms of a size larger than 0.2  $\mu$ m, and comprises an ultraviolet radiation manifold (20), which receives the liquid coming from the ultrafiltration filter and which is designed for destroying the remaining microorganisms of a size smaller than 0.2  $\mu$ m.

IPC 8 full level  
**B05B 9/04** (2006.01); **B05B 15/40** (2018.01); **F24F 6/14** (2006.01); **F24F 7/003** (2021.01)

CPC (source: EP US)  
**B05B 9/04** (2013.01 - EP US); **B05B 15/40** (2018.01 - EP); **F24F 5/0035** (2013.01 - EP US); **F24F 6/14** (2013.01 - EP US); **F24F 7/003** (2021.01 - EP US); **F24F 8/28** (2021.01 - EP); **F24F 8/28** (2021.01 - US); **F24F 2006/006** (2013.01 - EP US); **F24F 2006/146** (2013.01 - EP US); **F24F 2007/004** (2013.01 - EP US); **Y02B 30/54** (2013.01 - EP US)

Citation (search report)  
See references of WO 2006035125A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2006035125 A1 20060406**; CA 2593214 A1 20060406; EP 1827709 A1 20070905; FR 2875717 A1 20060331; FR 2875717 B1 20061229; US 2008257985 A1 20081023

DOCDB simple family (application)  
**FR 2005002187 W 20050902**; CA 2593214 A 20050902; EP 05800601 A 20050902; FR 0410233 A 20040928; US 79398205 A 20050902