

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

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