

Title (en)

DEVICE AND METHODS OF INACTIVATING INFLUENZA VIRUS AND ADVENTITIOUS AGENTS WITH ULTRAVIOLET LIGHT

Title (de)

VORRICHTUNG UND VERFAHREN ZUR INAKTIVIERUNG DES INFLUENZA-VIRUS UND ERWORBENER ERREGER MIT UV-LICHT

Title (fr)

DISPOSITIF ET PROCÉDÉS D'INACTIVATION DU VIRUS DE LA GRIPPE ET AGENTS ADVENTIFS AVEC LUMIÈRE ULTRAVIOLETTE

Publication

**EP 2066358 A1 20090610 (EN)**

Application

**EP 07838884 A 20070926**

Priority

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- US 82701406 P 20060926

Abstract (en)

[origin: WO2008039494A1] A device (100) for irradiating a fluid is disclosed. The device (100) includes an elongated tube (106) having a fluid injection port (106a) and a fluid discharge port (106b), wherein the elongated tube (106) is rotatable about a longitudinal axis (107). The longitudinal axis (107) extends at an angle oblique to the horizontal. A source of radiation (116) extends within the elongated tube (106) along the longitudinal axis (107). A sleeve (146) extends within the elongated tube (106) and surrounds a length of the source of radiation (116), thereby defining an airflow path between the source of radiation (116) and the sleeve (146). An air flow source (164) is in fluid communication with the airflow path proximate to the fluid injection port (106a). An air flow discharge (180) is in fluid communication with the airflow path proximate to the fluid discharge port (106b). The fluid injection port (106a) and the fluid discharge port (106b) are in communication with the space between the tube (106) and the sleeve (146). A method of inactivating a virus and an inactivated virus manufactured according to the method are also disclosed.

IPC 8 full level

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CPC (source: EP)

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