

Title (en)

DEVICE FOR ENRICHING AIR WITH AN AIR TREATMENT AGENT

Title (de)

VORRICHTUNG ZUR ANREICHERUNG VON LUFT MIT LUFTBEHANDLUNGSMITTEL

Title (fr)

DISPOSITIF POUR ENRICHIR DE L'AIR AVEC UN AGENT DE TRAITEMENT D'AIR

Publication

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Application

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Priority

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Abstract (en)

[origin: US2005035472A1] A device for enriching air with an air treatment agent, particularly for the sterilization of air, comprises a swirl chamber (10). The swirl chamber (10) has a feed opening (12) through which the air treatment agent is fed to the swirl chamber (10). Further, the swirl chamber (10) has an air entrance opening (18) as well as an air exit opening (46). In a region of the air swirl chamber (10), which is enlarged in a funnel-shaped manner, a swirling means (34) is provided. Advantageously, the latter comprises star-shaped/slots (40) as well as a perforated plate (36). By means of the swirling means, the air in the swirl chamber (10) is swirled such that air enriched with air treatment agent exits the swirl chamber (10). The enrichment with air treatment agent is so minor that no precipitation of air treatment agent can be detected in the room in which the air treated with air treatment agent is directed.

IPC 8 full level

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