

Title (en)

VIRUS FILTERED/STERILIZED AIRFLOWS DIRECTED TO PASSENGERS IN VEHICLE

Title (de)

VIRUSGEFILTERTE/STERILISIERTE LUFTSTRÖMUNGEN FÜR FAHRZEUGINSASSEN

Title (fr)

FLUX D'AIR FILTRÉS/STÉRILISÉS CONTRE LES VIRUS ET DIRIGÉS VERS DES PASSAGERS DANS UN VÉHICULE

Publication

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Application

EP 21842502 A 20210713

Priority

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Abstract (en)

[origin: WO2022015739A1] Directed virus filtered and/or sterilized airflows are provided to individual passenger seats creating virus filtered/sterilized air regions at passenger seats. The directed filtered/sterilized airflows protect passengers from viruses and other contaminants exhaled by passengers seated in adjacent seats and enable greater recycling of cabin air and associated decreased use of outside air pressurized for cabin use and associated decreased flight fuel consumption. A directed airflow assembly includes a virus filter/sterilization chamber with a virus filter and/or sterilization device configured to receive return cabin air through an input duct, to filter and/or sterilize viruses in the return cabin air, and to provide the virus filtered/sterilized air through an output duct. The air return ducts extend from air return vents in a seat surface of each of a plurality of passenger seats to the chamber. The air supply ducts extend from the chamber to air supply vents directing virus filtered/sterilized air toward the passenger seats.

IPC 8 full level

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Citation (search report)

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- See also references of WO 2022015739A1

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