

Title (en)

DEVICE FOR REDUCING FAN-GENERATED NOISE

Title (de)

VORRICHTUNG ZUR REDUZIERUNG VON LÜFTERGERÄUSCHEN

Title (fr)

DISPOSITIF PERMETTANT DE RÉDUIRE LE BRUIT GÉNÉRÉ PAR UN VENTILATEUR

Publication

**EP 3927976 A1 20211229 (EN)**

Application

**EP 20704882 A 20200217**

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Abstract (en)

[origin: WO2020169498A1] The present invention relates to a device (10) for reducing fan-generated noise, comprising: a plurality of grid elements (201, 902) identifying a main development plane, and empty portions (202) delimited by the grid elements (201, 902) and configured for the passage of an air flow through the device (10), wherein each of the grid elements (201, 902) comprises a respective inner cavity (501, 903) delimited by side walls, the side walls defining at least one tube opening (401) facing a respective one of the empty portions (202) and substantially orthogonal to the main development plane, the inner cavity (501, 903) being acoustic resonant for reducing the fan-generated noise. The device (10) has a substantially circular overall shape (101, 102, 103, 104) having a substantially circular outer edge (203), first grid elements (201) of the grid elements (201, 902) having their main direction of development aligned to the outer edge (203), the first grid elements (201) being tangentially arranged and aligned with each other on concentric circumferences in the substantially circular overall shape (101, 102, 103, 104).

IPC 8 full level

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