

Title (en)

A WIND TURBINE WING WITH NOISE REDUCTION MEANS

Title (de)

WINDTURBINE MIT EINRICHTUNGEN ZUR GERÄUSCHREDUZIERUNG

Title (fr)

AILE D'EOLIENNE COMPORTANT UN MOYEN DE REDUCTION DU BRUIT

Publication

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Application

EP 01943176 A 20010614

Priority

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Abstract (en)

[origin: WO0198653A1] For the purpose of reducing the inevitable noise from the flow of air over a rotating wind turbine wing part of the wing surface is provided with means for changing its acoustic reflection. These means for changing the acoustic reflection may be formed in an indentation on the upper side provided with a sound absorbing material, or provided with a plate mounted on compliant parts. A possibility is also to provide the indentation with a resonance-absorbing element. A final possibility is to provide the upper side, the lower side, or the trailing edge of the wing with openings leading to one or several cavities inside the wing. By the invention the means for changing the acoustic reflection are integrated into the wing, so that the flow around the wing is unaffected and the noise from the different noise sources are reduced in an effective way.

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IPC 8 full level

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Citation (search report)

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