

Title (en)

EROSION PROTECTION SHIELD FOR ROTOR BLADES

Title (de)

EROSIONSSCHUTZSCHILD FÜR LAUFSCHAUFELN

Title (fr)

PLAQUE DE PROTECTION CONTRE L'ÉROSION POUR AUBES MOBILES

Publication

EP 2220342 A1 20100825 (DE)

Application

EP 08864232 A 20081127

Priority

- EP 2008066307 W 20081127
- EP 07024843 A 20071220
- EP 08864232 A 20081127

Abstract (en)

[origin: EP2072757A1] The blade (2) has a blade root (5) and a vane (4) that comprises a suction side (6), a pressure side, a leading edge and a flow-off edge (9). An erosion protection shield (10) is arranged in front of the flow-off edge for preventing water droplet erosion. The shield is arranged along a longitudinal alignment (11) of the vane. The vane comprises chord length, and the shield has breadth of 5 percentages to 75 percentages of the chord length. The shield is connected with the blade root in a force fit manner or by material connection.

IPC 8 full level

F01D 5/14 (2006.01); **F01D 5/28** (2006.01)

CPC (source: EP US)

F01D 5/146 (2013.01 - EP US); **F01D 5/147** (2013.01 - EP US); **F01D 5/28** (2013.01 - EP US); **F01D 5/3007** (2013.01 - EP US); **F05D 2220/31** (2013.01 - EP US); **F05D 2250/34** (2013.01 - EP US); **F05D 2260/95** (2013.01 - EP US)

Citation (search report)

See references of WO 2009080439A1

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DOCDB simple family (publication)

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