

Title (en)

Turbine blade with dirt collector

Title (de)

Turbinenschaufel mit Schmutzfänger

Title (fr)

Aube de turbine avec collecteur de débris

Publication

EP 1707742 A1 20061004 (DE)

Application

EP 05405231 A 20050309

Priority

EP 05405231 A 20050309

Abstract (en)

A shield (2) for catching, accumulating, and radially hurling out dirt is attached to the tip (11) of a rotor blade (1). The sides of the shield flank the blade tip in-between and run perpendicular to the turbine axis. The shield is also formed of sheet metal and is U-shaped cross-section consisting of a base and a pair of legs. The base is curved up to conform with the curvature of the blade tip. An independent claim is also included for an axial flow turbine.

IPC 8 full level

F01D 5/20 (2006.01); **F01D 11/08** (2006.01)

CPC (source: EP)

F01D 5/225 (2013.01); **F01D 11/08** (2013.01); **F05D 2260/607** (2013.01)

Citation (applicant)

EP 0781897 A2 19970702 - ASEA BROWN BOVERI [CH]

Citation (search report)

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Designated contracting state (EPC)

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