

Title (en)
TURBINE BLADE FOR A STEAM TURBINE

Title (de)
TURBINENSCHAUFEL FÜR EINE DAMPFTURBINE

Title (fr)
AUBE DE TURBINE POUR UNE TURBINE A VAPEUR

Publication
EP 1951991 B1 20100224 (DE)

Application
EP 06819186 A 20061030

Priority
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• EP 05025359 A 20051121
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Abstract (en)
[origin: EP1788197A1] The blade (10) has a blade section (12) and a base section (14) formed for use in low pressure stage of a steam turbine. The blade section contains a fiber composite material (18) that contains glass fibers, plastic fibers and/or carbon fibers. The region containing the composite material is surrounded by a ductile, humidity impermeable protective layer. The blade section includes a filling body arranged in a blade centre that is completely enclosed by the composite material.

IPC 8 full level
F01D 5/28 (2006.01)

CPC (source: EP US)
F01D 5/282 (2013.01 - EP US); **F05D 2240/30** (2013.01 - EP US); **F05D 2300/603** (2013.01 - EP US)

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