

Title (en)
Blade of a turbomachine

Title (de)
Bewegliche Laufradschaufel einer Strömungsmaschine

Title (fr)
Aube mobile de turbomachine

Publication
EP 1911934 B1 20090722 (FR)

Application
EP 07118256 A 20071011

Priority
FR 0654257 A 20061013

Abstract (en)
[origin: EP1911934A1] The blade has a mounting foot (110) surmounted on a vane (112) that includes an end surface (114), lower side surface (116) and upper side surface. The vane has a projecting edge on its upper edge, defined between a part (124) of the end surface and an upper part (122) of the surface (116). The parts (124, 122) form average edge angle lower than 90 degree so as to separate flux of fluid traversing a turbo machine, at the level of edge. The part (122) is corrugated and follows a boundary line formed by a succession of alternative concave and convex curves.

IPC 8 full level
F01D 5/20 (2006.01); **F01D 5/18** (2006.01)

CPC (source: EP US)
F01D 5/20 (2013.01 - EP US); **F01D 11/10** (2013.01 - EP US); **F05D 2240/55** (2013.01 - EP US); **F05D 2250/184** (2013.01 - EP US); **F05D 2250/611** (2013.01 - EP US); **F05D 2250/70** (2013.01 - EP US)

Cited by
EP3216983A1; CN102678189A; GB2560124A; GB2560124B; EP4130429A3; EP2666967A1; EP2825733A4; EP2666968A1; EP3882436A1; US11136892B2; WO2013180797A2; US9188012B2; US10753215B2; US11913353B2; WO2017085387A1; WO2019035800A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 1911934 A1 20080416; EP 1911934 B1 20090722; CA 2606072 A1 20080413; CA 2606072 C 20150331; DE 602007001652 D1 20090903; FR 2907157 A1 20080418; JP 2008095695 A 20080424; JP 4889123 B2 20120307; RU 2007138000 A 20090420; RU 2457335 C2 20120727; US 2008175716 A1 20080724; US 7972115 B2 20110705

DOCDB simple family (application)
EP 07118256 A 20071011; CA 2606072 A 20071010; DE 602007001652 T 20071011; FR 0654257 A 20061013; JP 2007266440 A 20071012; RU 2007138000 A 20071012; US 87061407 A 20071011