

Title (en)
AXIAL TURBOMACHINE BLADE AND CORRESPONDING TURBOMACHINE

Title (de)
SCHAUFEL EINER AXIALEN STRÖMUNGSMASCHINE UND ZUGEHÖRIGE STRÖMUNGSMASCHINE

Title (fr)
AUBE DE TURBOMACHINE AXIALE ET TURBOMACHINE ASSOCIÉE

Publication
EP 2977550 A1 20160127 (FR)

Application
EP 14177991 A 20140722

Priority
EP 14177991 A 20140722

Abstract (en)
[origin: CA2897929A1] A blade of an axial turbomachine has a vane which extends radially and a first set of branches or divisions, which radially extend a radial end of the vane, and a second set of branches which radially extend the other of the radial ends of the vane and which are offset over the circumference of the turbomachine. The branches extend axially along the entire length of the vane. The sets have different numbers of branches. The branches further occupy the channel of the turbomachine and further counteract debris in the event of intake.

Abstract (fr)
L'invention a trait à une aube (726) de turbomachine axiale comprenant une pale (736) s'étendant radialement et un premier jeu de ramifications (738) ou divisions, qui prolongent radialement une extrémité radiale de la pale (736), et un deuxième jeu de ramifications (738) qui prolongent radialement l'autre des extrémités radiales de la pale (736) et qui sont décalées selon la circonférence de la turbomachine. Les ramifications (738) s'étendent tout le long axialement de la pale (736). Les jeux présentent des nombres différents de ramifications (738). Les ramifications (738) occupent davantage la veine de la turbomachine et s'opposent plus aux débris en cas d'ingestion.

IPC 8 full level
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F01D 5/145 (2013.01 - RU); **F01D 5/146** (2013.01 - EP RU US); **F04D 29/544** (2013.01 - EP US); **F05D 2240/30** (2013.01 - US)

Citation (applicant)
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Citation (search report)
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