

Title (en)
Improved turbomachine turbine nozzle

Title (de)
Leitschaufeln einer verbesserten Turbomaschine

Title (fr)
Distributeur de turbine de turbomachine amélioré

Publication
EP 1793093 A2 20070606 (FR)

Application
EP 06077140 A 20061130

Priority
FR 0512295 A 20051205

Abstract (en)
The turbine distributor sector, comprising inner and outer (4) platforms with blades fixed between them, has one or more flanges (5, 6) fixed by one end (5a, 6a) to at least one of the platforms and made with recesses (10) to give them flexibility. The recesses are in the form of hollows in the ends of the flanges fixed to the platforms but do not pass through the flanges. One of the flanges (5) extends in a radial plane relative to the turbine sector's axis of revolution, while the other (6) is semicylindrical relative to the same axis.

Abstract (fr)
La présente invention concerne un distributeur de turbine de turbomachine, notamment un secteur de distributeur (1) comportant une plate-forme intérieure (3) et une plate-forme extérieure (4), au moins une aube (2) fixée entre lesdites plates-formes (3, 4), au moins une desdites plates-formes (3, 4) comportant au moins un flasque (5, 6), ayant une première extrémité (5a, 6a) fixée sur la plate-forme (3, 4) et une seconde extrémité (5b, 6b) libre, ledit flasque (5, 6) comportant au moins un évidement (10) d'assouplissement libre non-débouchant.

IPC 8 full level
F01D 25/24 (2006.01)

CPC (source: EP US)
F01D 9/041 (2013.01 - EP US); **F01D 11/001** (2013.01 - EP US); **F01D 25/246** (2013.01 - EP US)

Citation (applicant)
US 6679679 B1 20040120 - DEBENEIX PIERRE EMMANUEL ETIEN [FR], et al

Cited by
FR3084106A1; FR2928962A1

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DOCDB simple family (publication)
EP 1793093 A2 20070606; EP 1793093 A3 20081203; EP 1793093 B1 20100317; CA 2569564 A1 20070605; CA 2569564 C 20131224; CN 1978870 A 20070613; CN 1978870 B 20120530; DE 602006012915 D1 20100429; FR 2894282 A1 20070608; JP 2007154890 A 20070621; JP 4794420 B2 20111019; RU 2006142824 A 20080620; US 2007128020 A1 20070607; US 7780398 B2 20100824

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