

Title (en)  
Turbine with circumferential distribution of combustion air

Title (de)  
Turbogruppe mit einer Umfangsverteilung der Verbrennungsluft

Title (fr)  
Turbomachine à distribution angulaire de l'air

Publication  
**EP 1746348 B1 20150610 (FR)**

Application  
**EP 06117022 A 20060712**

Priority  
FR 0507578 A 20050718

Abstract (en)  
[origin: EP1746348A2] The assembly has a casing formed by an outer annular shell (204) and an inner annular shell (206) secured inside the outer shell by set of radial support arms. Air coming from an annular compression section (100) presents rotary motion with an angle of inclination relative to a longitudinal axis of the turbomachine. An angular distribution unit determines air flow direction to impart to gas coming from rotary motion of a combustion section (200) with an angle of inclination that is equal to or greater than that of the air.

IPC 8 full level  
**F23R 3/02** (2006.01); **F23R 3/58** (2006.01)

CPC (source: EP US)  
**F23C 5/32** (2013.01 - EP US); **F23R 3/12** (2013.01 - EP US); **F23R 3/50** (2013.01 - EP US); **F23R 2900/03042** (2013.01 - EP US)

Cited by  
DE102011108887A1; FR2964725A1; EP1930659A1; FR2909748A1; FR2955375A1; US9151501B2; US9151223B2; US8661829B2;  
WO2012035248A1; WO2011086336A1; US7954327B2; US9188338B2

Designated contracting state (EPC)  
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**EP 1746348 A2 20070124; EP 1746348 A3 20130501; EP 1746348 B1 20150610**; FR 2888631 A1 20070119; FR 2888631 B1 20101210;  
RU 2006125657 A 20080127; RU 2415342 C2 20110327; US 2007012048 A1 20070118; US 7549294 B2 20090623

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**EP 06117022 A 20060712**; FR 0507578 A 20050718; RU 2006125657 A 20060717; US 48463906 A 20060712