

Title (en)  
GAS TURBINE FOR POWER PLANT

Title (de)  
GASTURBINE FÜR KRAFTWERK

Title (fr)  
TURBINE À GAZ POUR CENTRALE ÉLECTRIQUE

Publication  
**EP 3486569 B1 20220105 (EN)**

Application  
**EP 18206809 A 20181116**

Priority  
RU 2017140045 A 20171117

Abstract (en)  
[origin: EP3486569A1] A burner (22) for a gas turbine (1), the burner (22) comprising: - gas flow channel (25) having an axis (24) parallel to the a main gas flow direction (M); - at least a fuel injector (26) comprising at least a streamline body (28) extending straightly across the gas flow channel (25) along a first transverse direction (29) of a plane orthogonal to the gas flow direction (M); wherein the streamline body (28) comprises a lobed shaped trailing edge (31) having turning points (34) and lobes pointing alternatively in opposite direction along a second transverse direction (33) orthogonal to first transverse direction (29) in the plane orthogonal to the gas flow direction (M). wherein the lobed shaped trailing edge (31) has an apex portion (35) substantial parallel to the first transverse direction (29) and two side portions (36) connecting the turning points (34) to the apex portion (35).

IPC 8 full level  
**F23D 11/00** (2006.01); **F23D 14/62** (2006.01); **F23D 14/70** (2006.01); **F23R 3/12** (2006.01); **F23R 3/20** (2006.01); **F23R 3/34** (2006.01); **F23R 3/36** (2006.01)

CPC (source: CN EP RU)  
**F23D 11/00** (2013.01 - EP); **F23D 14/62** (2013.01 - EP); **F23D 14/70** (2013.01 - EP); **F23R 3/12** (2013.01 - EP); **F23R 3/16** (2013.01 - RU); **F23R 3/20** (2013.01 - EP); **F23R 3/28** (2013.01 - RU); **F23R 3/286** (2013.01 - CN); **F23R 3/346** (2013.01 - EP); **F23R 3/36** (2013.01 - EP); **F23R 3/38** (2013.01 - CN); **F23C 2900/07001** (2013.01 - EP); **F23D 2204/10** (2013.01 - EP); **F23D 2900/21003** (2013.01 - EP); **F23R 2900/03341** (2013.01 - EP)

Citation (examination)  
US 9708983 B2 20170718 - EROGLU ADNAN [CH], et al

Cited by  
EP4206535A1; US11859539B2; US11898755B2; US11835236B1

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DOCDB simple family (publication)  
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