

Title (en)

DIFFUSER LOCATED BETWEEN A COMPRESSOR AND A COMBUSTION CHAMBER OF A GASTURBINE

Title (de)

DIFFUSOR ZWISCHEN VERDICHTER UND BRENNKAMMER EINER GASTURBINE ANGEORDNET

Title (fr)

DIFFUSEUR SITUE ENTRE LE COMPRESSEUR ET LA CHAMBRE DE COMBUSTION D'UNE TURBINE A GAZ

Publication

**EP 1656497 A1 20060517 (DE)**

Application

**EP 04741084 A 20040716**

Priority

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- EP 03018565 A 20030818
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Abstract (en)

[origin: EP1508680A1] A gas turbine engine (1) has an annular combustion chamber (4) preceded by a diffuser (27) parallel to the turbine axis. The diffuser is located between a compressor and a burner chamber. The diffuser sub-divides (36) the compressed gas (K) flow into component parts (Ki, Ka), one or more of which are cooling gas. The diffuser has a main deflector zone (30) which redirects gases to the annular combustion chamber.

IPC 1-7

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IPC 8 full level

**F01D 25/12** (2006.01); **F23R 3/00** (2006.01)

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