

Title (en)
Diffusor for gas turbine exhaust

Title (de)
Gasabfuhrdiffusor für eine Gas Turbine

Title (fr)
Diffuseur d'échappement de turbine à gaz

Publication
EP 0595692 B1 19960605 (FR)

Application
EP 93402592 A 19931022

Priority
FR 9212724 A 19921026

Abstract (en)
[origin: EP0595692A1] The present invention relates to a gas turbine exhaust diffuser (nozzle) intended to be inserted downstream of a last expansion stage made up of an outlet sleeve (1) of circular cross-section including a central bulb (2). It comprises: - a flared transition sleeve (3) of circular cross-section identical to that of the outlet sleeve (1) of the last stage at its inlet and of square cross-section at its outlet, - four fixed fins (4) located inside the said sleeves (1,3) and respectively close to each corner of the square cross-section and directing the exhaust gases towards the corners of the square cross-section. <IMAGE>

IPC 1-7
F01D 25/30

IPC 8 full level
F01D 25/30 (2006.01)

CPC (source: EP US)
F01D 25/30 (2013.01 - EP US)

Cited by
CN103032171A; FR2934009A1; CN102165144A; DE112009001754T5; WO2010010277A1

Designated contracting state (EPC)
DE FR GB IT NL

DOCDB simple family (publication)
EP 0595692 A1 19940504; EP 0595692 B1 19960605; DE 69302989 D1 19960711; DE 69302989 T2 19961031; FR 2697287 A1 19940429; FR 2697287 B1 19941209; US 5462088 A 19951031

DOCDB simple family (application)
EP 93402592 A 19931022; DE 69302989 T 19931022; FR 9212724 A 19921026; US 14039493 A 19931025