

Title (en)  
Dustseparator for cooling air in gas turbine

Title (de)  
Staubpartikelnentferner für die Kühlluft einer Gasturbine

Title (fr)  
Séparateur de poussière pour une turbine à gaz

Publication  
**EP 1174589 B1 20041229 (DE)**

Application  
**EP 01112349 A 20010521**

Priority  
US 60905200 A 20000630

Abstract (en)  
[origin: EP1174589A1] The dust particle remover consists of a first chamber (6) to collect cooling air (4) and a second chamber (8) in which the particles are removed. The air is accelerated in passing through angled air connections. Dirt particles are removed from the cooling air by centrifugal force in the second chamber and go out through outlet apertures (12).

IPC 1-7  
**F01D 25/32**; **F01D 5/18**

IPC 8 full level  
**F01D 5/18** (2006.01); **F01D 25/32** (2006.01)

CPC (source: EP US)  
**F01D 5/187** (2013.01 - EP US); **F01D 25/32** (2013.01 - EP US); **F05D 2250/314** (2013.01 - EP US); **F05D 2250/322** (2013.01 - EP US); **F05D 2250/52** (2013.01 - EP US); **F05D 2260/205** (2013.01 - EP US); **F05D 2260/607** (2013.01 - EP US)

Cited by  
EP1503046A3; US7137777B2

Designated contracting state (EPC)  
DE GB

DOCDB simple family (publication)  
**EP 1174589 A1 20020123**; **EP 1174589 B1 20041229**; DE 50104931 D1 20050203; US 6413044 B1 20020702

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**EP 01112349 A 20010521**; DE 50104931 T 20010521; US 60905200 A 20000630