

Title (en)
AIR FILTER SYSTEM

Title (de)
LUFTFILTERSYSTEM

Title (fr)
SYSTEME DE FILTRE A AIR

Publication
EP 1427507 A1 20040616 (DE)

Application
EP 02777142 A 20020918

Priority
• DE 10146954 A 20010924
• EP 0210462 W 20020918

Abstract (en)
[origin: WO03028852A1] The invention relates to an air filter system, particularly for gas turbines, which has a nominal air throughput of at least 90,000 m³/h. The air filter system comprises a filter housing mounted on a stand (114), which is provided for absorbing or diverting the static and dynamic forces acting upon the filter housing (82, 110). The air filter system also comprises an air duct (116) via which the filter housing (110) is connected to an air consumer. In addition, the supporting structure of the filter housing (110) is formed by at least one frame module (10) having standardized dimensions. A force-absorbing supporting structure of the at least one frame module (10) is designed for absorbing the occurring static and dynamic forces a predeterminable loading event for a predeterminable filter housing (110).

IPC 1-7
B01D 46/42

IPC 8 full level
B01D 46/00 (2006.01); **B01D 46/42** (2006.01); **F02C 7/052** (2006.01)

CPC (source: EP)
B01D 46/0005 (2013.01); **B01D 46/88** (2022.01); **F02C 7/052** (2013.01)

Citation (search report)
See references of WO 03028852A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)
WO 03028852 A1 20030410; DE 10146954 A1 20030515; EP 1427507 A1 20040616

DOCDB simple family (application)
EP 0210462 W 20020918; DE 10146954 A 20010924; EP 02777142 A 20020918