

Title (en)  
Mining machine filtering unit

Title (de)  
Filterereinheit für eine Abbaumaschine

Title (fr)  
Unité de filtrage de machine d'exploitation minière

Publication  
**EP 2789795 A1 20141015 (EN)**

Application  
**EP 13162806 A 20130408**

Priority  
EP 13162806 A 20130408

Abstract (en)  
A dust filtering unit mountable at a mining machine (100). The filtering unit comprises a filtration duct (113) having a scrubber unit and demister where airflow through the filter unit is driven by an exhaust fan (114). Noise emission from the fan is reduced by a first flexible coupling (502) positioned between the fan unit and a filter duct and a second flexible coupling (703) mounting the fan unit at a filter support frame (109).

IPC 8 full level  
**E21C 35/22** (2006.01)

CPC (source: EP)  
**E21C 35/223** (2013.01)

Citation (search report)  
• [Y] US 2004250520 A1 20041216 - BOTH REINHOLD [DE]  
• [Y] US 2232375 A 19410218 - ELIASON OSEAR C, et al  
• [A] EP 1503033 A1 20050202 - CFT GMBH [DE]  
• [A] US 4348057 A 19820907 - PARENTI JOSEPH A, et al

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EP2910732A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2789795 A1 20141015**; CN 104968891 A 20151007; CN 104968891 B 20180410; WO 2014166782 A1 20141016

DOCDB simple family (application)  
**EP 13162806 A 20130408**; CN 201480005867 A 20140402; EP 2014056555 W 20140402