

Title (en)

Mining machine filtration unit with minimised sound emission

Title (de)

Bergbaumaschinenfiltrationseinheit mit minimierter Schallabstrahlung

Title (fr)

Unité de filtration de machine d'exploitation minière à émission acoustique réduite

Publication

**EP 2910732 A1 20150826 (EN)**

Application

**EP 14156350 A 20140224**

Priority

EP 14156350 A 20140224

Abstract (en)

A dust filtration unit mountable at a mining machine configured to filter airborne contaminants generated by the machine. A fan unit drives an airflow through the filtration unit as the mining machine is continuously operative. Noise emission from the filtration unit is minimised by suspending the fan unit in a floating configuration via a first, second and third elastic coupling such that the fan unit is not rigidly mounted at the machine and/or to other components of the filtration unit.

IPC 8 full level

**E21C 35/22** (2006.01)

CPC (source: CN EP)

**E21C 35/223** (2013.01 - CN EP)

Citation (applicant)

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Citation (search report)

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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)

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DOCDB simple family (application)

**EP 14156350 A 20140224**; CN 201580004442 A 20150216; EP 2015053182 W 20150216