

Title (en)

Centrifuge with pneumatic drive and filtration of the atmosphere of its enclosure

Title (de)

Zentrifuge mit Pneumatikantrieb und Filtration ihrer Gehäuseatmosphäre

Title (fr)

Centrifugeuse à entraînement pneumatique et à filtration de l'atmosphère de son enceinte

Publication

EP 1033172 B1 20050817 (FR)

Application

EP 00400309 A 20000203

Priority

FR 9902511 A 19990301

Abstract (en)

[origin: EP1033172A1] The centrifuge has a pneumatically driven rotor within a chamber. The pressurized gas used to drive the rotor passes through an aspiration unit that draws gas through the chamber and then through a purification unit. The chamber may be supplied with chilled gas produced by a Rankine tube. The gas enters the chamber beneath the centrifuge rotor. The aspiration unit may be a Venturi injector using the pressurized gas to entrain the gas from the purification unit. The unit has a filter or chemical treatment of the gas. The rotor is driven by a turbine.

IPC 1-7

B04B 9/06; B04B 9/08; B04B 15/02; B04B 7/06

IPC 8 full level

B04B 5/02 (2006.01); **B04B 7/06** (2006.01); **B04B 9/06** (2006.01); **B04B 9/08** (2006.01); **B04B 15/02** (2006.01)

CPC (source: EP US)

B04B 7/06 (2013.01 - EP US); **B04B 9/06** (2013.01 - EP US); **B04B 9/08** (2013.01 - EP US); **B04B 15/02** (2013.01 - EP US)

Cited by

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DOCDB simple family (publication)

EP 1033172 A1 20000906; **EP 1033172 B1 20050817**; DE 60021936 D1 20050922; DE 60021936 T2 20060608; FR 2790406 A1 20000908; FR 2790406 B1 20010601; JP 2000246145 A 20000912; JP 3398782 B2 20030421; US 6241650 B1 20010605

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