

Title (en)

METHOD FOR REACTING SELF-IGNITING DUSTS IN A VACUUM PUMP DEVICE

Title (de)

VERFAHREN ZUR ABREAKTION SELBSTENTZÜNDLICHER STÄUBE IN EINER VAKUUMPUMPVORRICHTUNG

Title (fr)

PROCÉDÉ POUR ANNULER LA RÉACTION DES POUSSIÈRES AUTOINFLAMMABLES DANS UN DISPOSITIF DE POMPE À VIDE D'AIR

Publication

**EP 2054626 A1 20090506 (DE)**

Application

**EP 07788296 A 20070807**

Priority

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- DE 102006039529 A 20060823

Abstract (en)

[origin: WO2008022916A1] A process gas (38), possibly comprising reactive particles (40), is suctioned into a vacuum pump device. Oxygen in form of air or pure oxygen is supplied in a controlled manner via an oxygen intake (26, 26a, 26b) into the vacuum pump device. Controlled oxidation thus takes place in the compression chamber (24) such that the dust cannot self-ignite in case of sudden ventilation.

IPC 8 full level

**F04C 28/28** (2006.01); **F04C 29/00** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2008022916A1

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