

Title (en)

ENERGY RECOVERING SYSTEM FOR AN INTERNAL COMBUSTION ENGINE

Title (de)

ENERGIERÜCKGEWINNUNGSSYSTEM FÜR EINEN VERBRENNUNGSMOTOR

Title (fr)

SYSTÈME DE RÉCUPÉRATION D ÉNERGIE POUR MOTEUR À COMBUSTION INTERNE

Publication

EP 2337939 A1 20110629 (EN)

Application

EP 08875752 A 20080926

Priority

IB 2008003191 W 20080926

Abstract (en)

[origin: WO2010035055A1] The system (10) comprises: - an exhaust line (6) collecting exhaust gas from the engine; - a filter (11) having an active portion inserted between two successive parts of the exhaust line, in order to hold the particles contained in the exhaust gas, and filter rotating means designed to rotate said filter so as to shift the active portion of said filter; - a secondary line (17) carrying intake air towards an area of said filter distinct from said active portion, according to a direction opposite from an exhaust gas flowing direction inside said filter, so as to sweep the particles away from the filter and release them downstream, inside said secondary line. Said secondary line (17) comprises first means (20, 21), located downstream from said filter (11), for burning the particles and thereby heating air flowing in said secondary line, and second means (18, 22) capable of recovering said heat into work.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2010035055A1

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