Title (en)

DEVICE FOR SANDBLASTING USES EXHAUST GAS FROM A JET ENGINE FOR BLASTING

Title (de)

VORRICHTUNG ZUR AUSTRAGUNG VON ABGAS AUS EINEM DÜSENMOTOR DURCH SANDSTRAHLEN

Title (fr)

APPAREIL DE CHAUFFAGE ET DE NETTOYAGE POUR TRAITEMENT DE SURFACES

Publication

EP 2605961 A4 20141001 (EN)

Application

EP 11783103 A 20110518

Priority

- DK PA201000441 A 20100520
- DK 2011000047 W 20110518

Abstract (en)

[origin: WO2011144210A2] Heating and cleaning apparatus for the cleaning and heat-treatment of surfaces, items, joints, cracks and similar by the use of a hot blast jet produced by the exhaust jet of a jet engine where aggregate injectors have been added in the engine housing for the admixture of a cleaning medium such as sand, granulate material or fluid. An apparatus for heating and cleaning in accordance with Figure A displays a lightweight jet engine under an engine housing (2), with an aggregate injector that can dose a cleaning medium admitted into the hot exhaust jet which is discharged through an exhaust nozzle (1) pointed at the item to be treated. The engine is electronically controlled by a device (4) and advanced on a lightweight frame (5) that can be fitted with a ballast weight (9) and spacer wheels (10), or the device can be mounted on an advancing arrangement (8). The jet engine is powered by liquid fuel supplied from a tank (6). Intake air is cleaned and sound-damped in a filter unit (3), and the combustion takes place at high pressure and is discharged in a high- velocity exhaust jet to which admixture of media fed from a tank (7) can be made.

IPC 8 full level

B24C 5/02 (2006.01); **F02K 99/00** (2009.01)

CPC (source: EP US)

B08B 3/024 (2013.01 - EP); **B08B 5/02** (2013.01 - EP); **B24C 5/02** (2013.01 - EP); **F23D 14/34** (2013.01 - US)

Citation (search report)

No further relevant documents disclosed

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)

WO 2011144210 A2 20111124; **WO 2011144210 A3 20120503**; **WO 2011144210 A9 20120621**; CN 103124674 A 20130529; CN 103124674 B 20160330; DK 201000441 A 20111121; DK 2605961 T3 20160208; EP 2605961 A2 20130626; EP 2605961 A4 20141001; EP 2605961 B1 20151104; US 2013089824 A1 20130411

DOCDB simple family (application)

DK 2011000047 W 20110518; CN 201180025152 A 20110518; DK 11783103 T 20110518; DK PA201000441 A 20100520; EP 11783103 A 20110518; US 201213678985 A 20121116