

Title (en)
Vacuum generator operated by pressurised air

Title (de)
Druckluftbetriebener Unterdruckerzeuger

Title (fr)
Appareil de production de dépression pneumatique

Publication
EP 2333350 A1 20110615 (DE)

Application
EP 10191764 A 20101118

Priority
DE 102009047085 A 20091124

Abstract (en)
The generator has venturi nozzle with a flow cross section that deviates from a circularity. Two plates are arranged in parallel relationship and joined in sandwich construction, with one of the plates constructed to accommodate the venturi nozzle. A pressure sensor or flow sensor is fluidly connected to the flow cross section for process supervision. A flap valve is in parallel relation to a plane of the venturi nozzle for closing a suction cross section. The venturi nozzles are constructed so as to be individually controlled for connection or disconnection.

Abstract (de)
Die Erfindung betrifft einen druckluftbetriebenen Unterdruckerzeuger mit mindestens einer Venturi-Düse wobei die Venturi-Düse einen von der Kreisform abweichenden, insbesondere im Wesentlichen rechteckförmigen Strömungsquerschnitt aufweist.

IPC 8 full level
F04F 5/22 (2006.01); **F04F 5/46** (2006.01)

CPC (source: EP US)
F04F 5/22 (2013.01 - EP US); **F04F 5/46** (2013.01 - EP); **F04F 5/461** (2013.01 - EP US); **F04F 5/467** (2013.01 - EP US)

Citation (applicant)
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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)
DE 102009047085 A1 20110601; CN 102072209 A 20110525; DE 202009019074 U1 20160523; EP 2333350 A1 20110615; US 2011123359 A1 20110526; US 8596990 B2 20131203

DOCDB simple family (application)
DE 102009047085 A 20091124; CN 201010554853 A 20101123; DE 202009019074 U 20091124; EP 10191764 A 20101118; US 95282110 A 20101123