

Title (en)  
PNEUMATICS

Title (de)  
PNEUMATIK

Title (fr)  
SYSTÈME PNEUMATIQUE

Publication  
**EP 3453875 A1 20190313 (EN)**

Application  
**EP 17196223 A 20171012**

Priority  
GB 201714512 A 20170908

Abstract (en)  
A pneumatic device is provided which comprises: an inlet port for receiving compressed gas from an exhaust of a diaphragm pump; an external outlet port for outputting compressing gas to a further pneumatic device; an internal chamber defined by an internal housing arranged to funnel received compressed gas towards an internal outlet port of the internal chamber, the internal outlet port being located adjacent to, and spaced from, the external outlet port; and one or more exhausts positioned to exhaust compressed gas, from the pneumatic device, that is output from the internal outlet port without being output from the external outlet port. The pneumatic device may further comprise: a Venturi conduit for increasing the velocity of the compressed gas received by the inlet port; and one or more impellers arranged to drive compressed gas output by the Venturi conduit towards the external outlet port.

IPC 8 full level  
**F04B 9/12** (2006.01); **F04B 43/06** (2006.01)

CPC (source: EP GB US)  
**F04B 9/12** (2013.01 - EP US); **F04B 43/0081** (2013.01 - GB); **F04B 45/053** (2013.01 - EP GB US); **F04B 53/06** (2013.01 - GB)

Citation (search report)  
• [XAI] US 6190543 B1 20010220 - CHRISTIANSEN BJOERN [NO]  
• [A] US 5468127 A 19951121 - ELLIOTT ANDREW C [US], et al  
• [A] DE 1557033 A1 19700716 - BERTIN & CIE

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)  
**GB 201714512 D0 20171025; GB 2563098 A 20181205; GB 2563098 B 20191225; EP 3453875 A1 20190313**

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**GB 201714512 A 20170908; EP 17196223 A 20171012**