

Title (en)

A dual inlet extract fan assembly

Title (de)

Absauggebläseanordnung mit doppeltem Einlass

Title (fr)

Ensemble de ventilateur à extraction à double entrée

Publication

**EP 2775147 A3 20141203 (EN)**

Application

**EP 14157921 A 20140305**

Priority

GB 201303901 A 20130305

Abstract (en)

[origin: EP2775147A2] An extract fan assembly (10) comprises a fan and fan housing (12). The fan housing (12) comprises a plurality of walls defining an enclosure for containing the fan having an inlet opening (14) at one end. A cover plate (18) is positioned to cover the inlet opening (14) and fixed relative to the housing (12) in a spaced location from the inlet opening (14). A first air inlet is defined by the space between the cover plate and the housing. A first airflow pathway extends between the first air inlet and the fan housing (12) via the inlet opening (14). The fan assembly (10) includes a second auxiliary inlet (28) and a second airflow pathway extending between the second air inlet and the fan housing (12) that allows the spacing between the cover plate (18) and the housing (12) to be reduced while maintaining the same inlet airflow.

IPC 8 full level

**F04D 17/04** (2006.01); **F04D 25/12** (2006.01); **F04D 29/42** (2006.01); **F04D 29/44** (2006.01); **F24F 7/013** (2006.01); **F24F 13/20** (2006.01)

CPC (source: EP GB)

**F04D 25/12** (2013.01 - EP GB); **F04D 29/403** (2013.01 - GB); **F04D 29/4213** (2013.01 - EP); **F04D 29/424** (2013.01 - EP); **F04D 29/703** (2013.01 - EP GB); **F24F 7/013** (2013.01 - EP); **F04D 29/706** (2013.01 - EP)

Citation (search report)

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- [X] GB 584398 A 19470114 - GREENWOOD S AND AIRVAC VENTILA, et al
- [XI] GB 583557 A 19461220 - JOSEPH CUTHBERT AKESTER

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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)

**EP 2775147 A2 20140910**; **EP 2775147 A3 20141203**; **EP 2775147 B1 20190814**; GB 201303901 D0 20130417; GB 2511518 A 20140910; GB 2511518 B 20181128

DOCDB simple family (application)

**EP 14157921 A 20140305**; GB 201303901 A 20130305