

Title (en)  
MOTORISED IMPELLER ASSEMBLIES

Title (de)  
MOTORISIERTE LAUFRADANORDNUNGEN

Title (fr)  
ENSEMBLES DE ROUES MOTORISÉES

Publication  
**EP 3045733 A1 20160720 (EN)**

Application  
**EP 16151980 A 20160119**

Priority  
GB 201500874 A 20150119

Abstract (en)  
A motorised impeller assembly for delivering an air flow, the assembly comprising: a first, main air flow path having an inlet and an outlet and through which a main air flow is delivered; a second, ancillary air flow path having an inlet and an outlet and through which an ancillary air flow is delivered; an impeller which is operable to deliver the air flows through the main and ancillary air flow paths; and a motor unit which comprises a drive motor for driving the impeller, and a sensor for sensing a characteristic of the ancillary air flow as delivered through the ancillary air flow path in operation of the impeller, which characteristic is representative of a flow rate of the main air flow as delivered through the main air flow path and enables control of the delivered air flow.

IPC 8 full level  
**F04D 25/08** (2006.01); **F04D 27/00** (2006.01)

CPC (source: EP GB)  
**F04D 25/0666** (2013.01 - EP GB); **F04D 25/08** (2013.01 - GB); **F04D 25/082** (2013.01 - EP); **F04D 27/001** (2013.01 - EP); **F04D 29/4213** (2013.01 - EP); **F04D 29/5806** (2013.01 - EP)

Citation (search report)  
• [A] US 2010178181 A1 20100715 - CHEN HUNG-CHI [TW], et al  
• [A] US 2013209218 A1 20130815 - REUNANEN ARTTU [FI], et al  
• [A] EP 0626519 A1 19941130 - BROD & MCCLUNG PACE CO [US]

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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 3045733 A1 20160720**; GB 201500874 D0 20150304; GB 2538217 A 20161116; GB 2538217 B 20180404

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