

Title (en)
VACUUM SUCTION UNIT

Title (de)
VAKUUMSAUGEINHEIT

Title (fr)
UNITÉ D'ASPIRATION SOUS VIDE

Publication
EP 3076025 B1 20200819 (EN)

Application
EP 16161896 A 20160323

Priority
• KR 20150045951 A 20150401
• KR 20150048234 A 20150406

Abstract (en)
[origin: EP3076025A1] A vacuum suction unit (1) is provided. The vacuum suction unit (1) includes a cover (10), an impeller (20), a motor, a guide device (30) which includes a guide body (310) and a guide vane (330), a flow guide (50) which is disposed below the guide device (30) and guides the air guided by the guide device (30) toward the stator (80), and a motor housing (60) which accommodates the motor and includes an air outlet (602). Here, a guide surface (501) at least a part of which has a diameter reduced as getting downward is formed at a bottom surface of the flow guide (50), the guide vane (330) includes a first guide vane (331) which is provided on a side of the guide body (310) and guides the air ejected from the impeller (20), and an inlet angle (α) of the first guide vane (331) is within a range from 10 to 25 degrees.

IPC 8 full level
F04D 29/44 (2006.01)

CPC (source: EP US)
F04D 25/06 (2013.01 - US); **F04D 29/053** (2013.01 - US); **F04D 29/056** (2013.01 - US); **F04D 29/28** (2013.01 - US); **F04D 29/4206** (2013.01 - US); **F04D 29/441** (2013.01 - EP US); **F04D 29/444** (2013.01 - EP US)

Citation (examination)
JP 2010209770 A 20100924 - MITSUBISHI ELECTRIC CORP

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