

Title (en)

PORTABLE VACUUM OR BLOWER/VACUUM UNIT

Title (de)

TRAGBARE STAUBSAUGE- ODER BLAS-/STAUBSAUGEEINHEIT

Title (fr)

UNITE DE MISE SOUS VIDE OU MISE SOUS VIDE/SOUFFLERIE

Publication

EP 1746924 A1 20070131 (EN)

Application

EP 05729638 A 20050408

Priority

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- AU 2004901889 A 20040408

Abstract (en)

[origin: WO2005096905A1] A portable vacuum or blower/vacuum unit (10) having a motor (11), a fan (12), at least one air conduit (15) with a first portion (16) to receive the air flow generated by the fan and a second portion (17) remote from the fan (12), a mesh screen (18) within the air conduit (15) closely adjacent to the fan (12) to protect the fan (12) from the flow of debris along the air conduit, (15) and a stirrer (21) for deflecting debris away from the mesh screen (18), wherein the fan (12) is located to one side of the first portion (16) of the air conduit (15); and the second portion (17) of the air conduit (15) is able to be located in a position where the angle alpha between a longitudinal axis of the second portion (17) of the air conduit (15) and a radial plane defined by the fan impeller (which is perpendicular to the axis of rotation of the (fan12)) is obtuse, so as to permit sufficient air conduit to at least substantially bypass, or to otherwise be deflected from the mesh screen (18).

IPC 8 full level

A47L 5/14 (2006.01); **A47L 5/24** (2006.01); **F04D 29/70** (2006.01)

CPC (source: EP US)

A01G 20/47 (2018.01 - EP US); **A47L 5/14** (2013.01 - EP US); **F04D 29/703** (2013.01 - EP US)

Citation (search report)

See references of WO 2005096905A1

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