

Title (en)  
A suction nozzle for a vacuum cleaner

Title (de)  
Eine Saugdüse für einen Staubsauger

Title (fr)  
Une buse à succion pour un aspirateur

Publication  
**EP 1421891 A1 20040526 (EN)**

Application  
**EP 03004030 A 20030224**

Priority  
KR 20020073381 A 20021125

Abstract (en)

The present invention relates to an inhaler for a vacuum cleaner. It is an object of the present invention to easily clean a portion where it is difficult to clean, like the surfaces of furniture, a lower portion of a furniture, a keyboard surface of piano, blinder, etc. by forming an inhaler adapted for forming a vacuum suction force in a Korean inherent broom shape. To achieve the above objects, in a vacuum cleaner which is formed of a body (11) which is adapted for generating a vacuum force based on a fan motor installed therein, a flexible hose (12) which is extended from the body (11), and a detachable inhaler (14) which is inserted to an end portion of the vacuum pipe (13) extended from the flexible hose (12), an inhaler (14) for a vacuum cleaner comprises an insertion portion (14a) which is inserted to an end portion of the vacuum pipe (13), and a suction portion (14b) extended from the insertion portion (14a), wherein the suction portion (14b) and the insertion portion (14a) are extended in a longitudinal direction of the vacuum pipe for thereby implementing a straight line shape of the same. <IMAGE>

IPC 1-7  
**A47L 9/06; A47L 9/02**

IPC 8 full level  
**A47L 9/02** (2006.01); **A47L 9/06** (2006.01)

CPC (source: EP KR US)  
**A47L 9/02** (2013.01 - KR); **A47L 9/06** (2013.01 - EP US); **A47L 9/0613** (2013.01 - EP US)

Citation (search report)

- [X] US 4570286 A 19860218 - ROSS DAVID [US]
- [X] US 2469256 A 19490503 - BRAKMAN ABRAM L
- [X] US 6044521 A 20000404 - SEBEK DIANA [US]
- [X] GB 2076642 A 19811209 - WESSEL HANS
- [X] DE 1096006 B 19601229 - SIEMENS ELEKTROGERAETE GMBH
- [X] GB 2364499 A 20020130 - NOBLE PHILIP GRANVILLE [GB], et al
- [X] US 2800678 A 19570730 - HANS WESSEL
- [PX] WO 03001958 A1 20030109 - RYYNAENEN ERKKI [FI]
- [A] US 5440782 A 19950815 - YAMASHITA SHUSUKE [JP]
- [A] DE 9214858 U1 19921217

Cited by  
WO2014128445A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)  
**EP 1421891 A1 20040526**; CA 2419160 A1 20040525; KR 100498618 B1 20050707; KR 20040045563 A 20040602; NO 20030264 D0 20030120;  
NO 20030264 L 20040526; US 2004098829 A1 20040527

DOCDB simple family (application)  
**EP 03004030 A 20030224**; CA 2419160 A 20030218; KR 20020073381 A 20021125; NO 20030264 A 20030120; US 33721203 A 20030106