

Title (en)
A VACUUM CLEANER

Title (de)
VAKUUMREINIGER

Title (fr)
ASPIRATEUR

Publication
EP 2621323 B1 20150311 (EN)

Application
EP 11755427 A 20110909

Priority
• GB 201016563 A 20101001
• GB 2011051697 W 20110909

Abstract (en)
[origin: GB2484146A] A vacuum cleaner of the stick-vac type, comprises a handheld vacuum cleaner 3 which is attached to an elongate, rigid wand 5 and which is fluidly connected to a cleaner head 7 provided at the end of the wand. The cleaner head 7 is connected to the wand via a mechanical steering couple for directionally steering the cleaner head in plane parallel contact with the floor as the wand 5 is rotated about its axis (C, fig 4). The head 7 and wand 5 may be coupled for relative rotation along a scarf joint (figure 6) or via an elbow joint (figure 3) which is preferably a hinged elbow joint. The vacuum cleaner may include a pistol grip handle (35, fig 2)

IPC 8 full level
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CPC (source: EP GB KR US)
A47L 5/225 (2013.01 - EP US); **A47L 5/24** (2013.01 - EP GB KR US); **A47L 5/28** (2013.01 - EP KR US); **A47L 9/02** (2013.01 - EP KR US); **A47L 9/24** (2013.01 - KR); **A47L 9/242** (2013.01 - EP US)

Citation (opposition)
Opponent : Karl Hoffmann
• GB 2268875 A 19940126 - BISSELL INC [US]
• GB 2377880 A 20030129 - BLACK & DECKER INC [US]
• US D298875 S 19881206 - NAKAMURA KAZUHARU [JP]
• US D280033 S 19850806 - MIYAMOTO ISSHIN [JP], et al
• US D303173 S 19890829 - MIYAMOTO ISSHIN [JP], et al
• WO 2004069021 A1 20040819 - ELECTROLUX AB [SE], et al
• GB 2466290 A 20100623 - DYSON TECHNOLOGY LTD [GB]
• GB 2441962 A 20080326 - DYSON TECHNOLOGY LTD [GB]
• EP 1356755 A2 20031029 - MATSUSHITA ELECTRIC IND CO LTD [JP]
• US 2009165242 A1 20090702 - LEE BYUNG-JO [KR], et al
• DE 202005020767 U1 20060706 - SEB SA [FR]
• US 2010229339 A1 20100916 - LAMBOURN HENRY LICMING [GB]
• WO 2011110826 A1 20110915 - DYSON TECHNOLOGY LTD [GB], et al
• EP 2544575 A1 20130116 - DYSON TECHNOLOGY LTD [GB]
• WO 2008009888 A1 20080124 - DYSON TECHNOLOGY LTD [GB], et al
• US 2010154150 A1 20100624 - MCLEOD DAVID ANDREW [GB]
• JP S63246116 A 19881013 - MATSUSHITA ELECTRIC IND CO LTD
• JP S60220027 A 19851102 - MATSUSHITA ELECTRIC IND CO LTD
• US 6553613 B2 20030429 - ONISHI YUJI [JP], et al
• WO 9417720 A1 19940818 - VAX LTD [GB], et al
• DE 19630286 A1 19980129 - MIELE & CIE [DE]
• GB 2072495 A 19811007 - WESSEL H
• US 5107567 A 19920428 - FERRARI MARCO [US], et al
• JP 2000083879 A 20000328 - HITACHI LTD
• JP 2009279230 A 20091203 - TOSHIBA CORP, et al
• EP 2059159 B1 20101006 - DYSON TECHNOLOGY LTD [GB]
• GB 2409404 A 20050629 - SAMSUNG KWANGJU ELECTRONICS CO [KR]
• DE 10017705 C2 20020314 - WESSEL WERK GMBH [DE]
• ENGLISH TRANSLATION OF D16
• ENGLISH TRANSLATION OF D17
• PHOTOGRAPHS OF THE EXHIBIT
• EMAIL FROM MIELE CONFIRMING THE MANUFACTURE DATE OF EXHIBIT
• ENGLISH TRANSLATION OF D21
• AMAZON WEBSITE EXTRACT
• INTERNET ARCHIVE EXTRACT
• ENGLISH TRANSLATION OF D27
• ENGLISH TRANSLATION OF D28

Cited by
EP3033981A1; FR3039055A1; RU2701221C2; WO2018210940A1; US10478034B2; WO2017017365A1; TWI637716B; WO2017046558A1; WO2017046557A1

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AU 2016101927 B4 20170323; AU 2016101928 A4 20161124; AU 2016101928 B4 20170112; AU 2016101929 A4 20161124;

CN 102440717 A 20120509; CN 102440717 B 20150909; EP 2621323 A1 20130807; EP 2621323 B1 20150311; JP 2012075904 A 20120419;
JP 2014061451 A 20140410; KR 101506175 B1 20150326; KR 20130066681 A 20130620; US 2012079671 A1 20120405;
WO 2012042240 A1 20120405

DOCDB simple family (application)

GB 201016563 A 20101001; AU 2011309890 A 20110909; AU 2015101730 A 20151130; AU 2016101927 A 20161031;
AU 2016101928 A 20161031; AU 2016101929 A 20161031; CN 201110293774 A 20110929; EP 11755427 A 20110909;
GB 2011051697 W 20110909; JP 2011219200 A 20111003; JP 2014004585 A 20140114; KR 20137008676 A 20110909;
US 201113248803 A 20110929