

Title (en)  
High pressure cleaner with an integrated flat textile hose

Title (de)  
Hochdruckreiniger mit einem integrierten Textilflachschlauch

Title (fr)  
Nettoyeur haute pression doté d'un tuyau plat en textile intégré

Publication  
**EP 2113313 A3 20120425 (DE)**

Application  
**EP 09005859 A 20090428**

Priority  
DE 102008022047 A 20080503

Abstract (en)  
[origin: EP2113313A2] The cleaner (1) has a high-pressure hose (11) for connection to a spray fixture. A textile flat hose (12) is connected to a water supply. A stowing device is integrated into a housing (2). The stowing device is adjustable on the housing between a stowed position and an operating position, where the textile flat hose is removed from or disposed on the stowing device in the operating position. The stowing device includes a winding device for the textile flat hose. The winding device includes a hose reel for the textile flat hose.

IPC 8 full level  
**B08B 3/02** (2006.01)

CPC (source: EP US)  
**B08B 3/026** (2013.01 - EP US); **B65H 75/36** (2013.01 - EP US); **B65H 75/406** (2013.01 - EP US); **B65H 75/42** (2013.01 - EP US); **B65H 75/4431** (2013.01 - EP US); **B65H 75/4463** (2013.01 - EP US); **B65H 75/4465** (2013.01 - EP US); **B65H 2701/332** (2013.01 - EP US); **B65H 2701/514** (2013.01 - EP US)

Citation (search report)

- [I] DE 29809473 U1 19981001 - KAERCHER GMBH & CO ALFRED [DE]
- [I] US 4967960 A 19901106 - FUTRELL EDGAR V [US]
- [I] DE 3940543 A1 19910613 - WOLF GERAETE GMBH VERTRIEB [DE]
- [A] US 5655728 A 19970812 - YANG MING-SHUN [TW]
- [A] US 3183927 A 19650518 - WEESE WILFRED W, et al
- [A] US 6834813 B1 20041228 - NOBI JEREMY E [US]
- [A] EP 1710024 A2 20061011 - TECHTRONIC IND CO LTD [CN]
- [A] US 5318235 A 19940607 - SATO JAY K [US]
- [A] DE 10227095 A1 20040115 - GRENSEMANN MICHAEL [DE]
- [A] WO 2004044469 A2 20040527 - WELLSTREAM INT LTD [GB]

Cited by  
CN114314213A; CN112074354A; US9033258B2; WO2019206395A1; WO2011012151A1; EP3812052A1

Designated contracting state (EPC)  
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 SE SI SK TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
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**EP 09005859 A 20090428**; BR PI0901465 A 20090504; CN 200910138023 A 20090504; DE 102008022047 A 20080503; EP 13004862 A 20090428; ES 09005859 T 20090428; US 43067609 A 20090427