

Title (en)
CARTRIDGE AND WET CLEANING ASSEMBLY

Title (de)
KARTUSCHE UND NASSREINIGUNGSANORDNUNG

Title (fr)
CARTOUCHE ET ENSEMBLE DE NETTOYAGE HUMIDE

Publication
EP 4400016 A1 20240717 (EN)

Application
EP 23163090 A 20230321

Priority
CN 2023071723 W 20230110

Abstract (en)
Provided is a cartridge (100) attachable to a wet cleaning apparatus, in particular a wet floor cleaning apparatus. The wet cleaning apparatus has a volume displacement device (102) for dosing surface treating agent from the cartridge when the cartridge is attached to the wet cleaning apparatus. The cartridge comprises a chamber (106) for containing surface treating agent. The cartridge also has an interfacial portion (107) for interfacing with the volume displacement device during attachment of the cartridge to define a dosing assembly (108). A first valve (116) is configured to either enable fluid to be moved out of the chamber or to be moved into the chamber by operation of the volume displacement device. A second valve (120) is configured to enable fluid to exit the dosing assembly, for example either during displacement of fluid in the cartridge by the fluid moved into the chamber by the volume displacement device, or during a fluid expulsion action of the volume displacement device that is subsequent to an initial action of the volume displacement device that moves the fluid out of the chamber via the first valve. Each of the first and second valves enables restriction of passage of the surface treating agent therethrough prior to attachment of the cartridge. Further provided is a cleaning assembly comprising a cartridge and a wet cleaning apparatus.

IPC 8 full level
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Citation (search report)
• [A] AU 2020100206 A4 20200312 - BISSELL INC [US]
• [A] US 11219347 B2 20220111 - JOHNSON STEVE M [US], et al
• [A] EP 2636353 A2 20130911 - BISSELL HOMECARE INC [US]

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