

Title (en)
TRIGGER SPRAYER WITH VENTING MEMBRANE

Title (de)
ZERSTÄUBER VOM TRIGGERTYP MIT LÜFTUNGSMEMBRAN

Title (fr)
PULVERISATEUR A GACHETTE A MEMBRANE DE VENTILATION

Publication
EP 1761339 A2 20070314 (EN)

Application
EP 05731014 A 20050324

Priority
• US 2005009693 W 20050324
• US 55628004 P 20040325

Abstract (en)
[origin: WO2005094492A2] A trigger sprayer is provided with a passive venting system of simplified and inexpensive construction. A gas permeable, liquid impermeable membrane is positioned over a vent opening in the trigger sprayer housing and prevents the leakage of liquid from a container attached to the trigger sprayer, while allowing the venting of air from the exterior of the trigger sprayer to the container interior. The membrane is secured to a vent opening wall of the sprayer housing that is positioned coplanar and continuous with an annular surface of the sprayer housing. This enables the use of a single flat gasket to seal around the vent opening and seal between the trigger sprayer and the liquid container attached to the trigger sprayer.

IPC 8 full level
B05B 11/00 (2006.01)

CPC (source: EP)
B05B 11/0044 (2018.07)

Citation (search report)
See references of WO 2005094492A2

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Designated extension state (EPC)
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WO 2005094492 A2 20051013; WO 2005094492 A3 20090409; CN 101421049 A 20090429; EP 1761339 A2 20070314; JP 2007527831 A 20071004

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