

Title (en)  
DOSING AND/OR LEVELLING DEVICE

Title (de)  
VORRICHTUNG ZUR DOSIERUNG UND/ODER EGALISIERUNG

Title (fr)  
DISPOSITIF DE DOSAGE ET/OU DE MISE A NIVEAU

Publication  
**EP 1896191 A1 20080312 (DE)**

Application  
**EP 06724880 A 20060224**

Priority  
• EP 2006060247 W 20060224  
• DE 102005029613 A 20050623

Abstract (en)  
[origin: US2008105196A1] A device for metering and/or leveling a liquid to pasty medium applied to a moving surface, the surface in the case of direct application of the medium being a paper, board or other fibrous web and in the case of indirect application being the surface of a transfer element, for example an applicator roll, which transfers the application medium to the surface of the fibrous web, including a retaining body for holding a doctor element and a pressure element, the retaining body being set against the moving surface and the pressure element pressing the top part of the doctor element against the moving surface for the purpose of metering and/or leveling the applied medium; a clamping hose to which pressure can be applied and which therefore executes a displacement travel and which, when pressurized, presses the bottom part of the doctor element against a supporting bar of the retaining body and clamps said doctor element in and, when the pressure is relieved, releases the doctor element; and an additional retaining bar to hold the clamping hose, is arranged parallel to the supporting bar and is accommodated detachably in the retaining body, and the retaining bar having at least one projection toward the supporting bar, which projection projects in a distance beyond the minimum displacement travel of the clamping hose, so that a gap remains with respect to the supporting bar.

IPC 8 full level  
**B05C 11/04** (2006.01)

CPC (source: EP US)  
**B05C 11/044** (2013.01 - EP US); **D21H 25/10** (2013.01 - EP US)

Citation (search report)  
See references of WO 2006136463A1

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**US 2008105196 A1 20080508**; AT E412472 T1 20081115; BR PI0613252 A2 20101228; BR PI0613252 B1 20180814; DE 102005029613 A1 20070104; DE 502006001951 D1 20081211; EP 1896191 A1 20080312; EP 1896191 B1 20081029; JP 2008543549 A 20081204; WO 2006136463 A1 20061228

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