

Title (en)
DOCTOR BLADE DOSING SYSTEM

Title (de)
RAKEL-DOSIERSYSTEM

Title (fr)
SYSTEME DE DOSAGE A RACLE

Publication
EP 1485209 A1 20041215 (DE)

Application
EP 03720149 A 20030307

Priority
• DE 0300738 W 20030307
• DE 10211302 A 20020313

Abstract (en)
[origin: US6911085B2] Doctor blade dosing systems for devices used for coating material webs, particularly paper or paperboard webs, exist that have a doctor blade rod, which serves as a dosing element while being held inside a slot of a doctor blade bed that, in turn, is mounted in a support that can be fastened inside the frame of the system. According to the disclosure, the doctor blade rod has a diameter of less than 25 mm. The doctor blade bed is inserted in removable manner into a slot of the support situated on the face thereof. The ratio of the cross-sectional area (measured in mm²) of the doctor blade to the diameter (measured in mm) of the doctor blade rod is less than 60 mm, preferably less than 30 mm. The support is made of a plastic material and is shaped like a clamp having at least one rearward extending clamp limb and one joint location, whereby the holding slot that accommodates the doctor blade bed forms the clamp mouth. A tightening tube that presses the slot walls of the holding slot toward one another is placed on a clamp limb.

IPC 1-7
B05C 11/02; **D21H 25/12**

IPC 8 full level
B05C 11/04 (2006.01); **B05C 11/02** (2006.01); **D21H 25/12** (2006.01)

CPC (source: EP KR US)
B05C 11/02 (2013.01 - KR); **B05C 11/025** (2013.01 - EP US); **D21H 25/12** (2013.01 - EP US)

Cited by
DE102009026823A1; EP2103358A1; DE102009026823B4; US10465342B2; EP2808092A1; US8539904B2; WO2010142513A1; EP2712960A1; US9205450B2; DE202018101092U1; DE102009061033A1; US9869061B2; DE102009061033B4

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DOCDB simple family (publication)
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