

Title (en)

DOCTOR BLADE FOR APPLYING FREE-FLOWING OR POWDERED SUBSTANCES ON FLAT SURFACES.

Title (de)

RAKELGERÄT ZUM AUFTRAGEN FLIESSFÄHIGER ODER PULVERFÖRMIGER SUBSTANZEN AUF EBENE FLÄCHEN.

Title (fr)

APPAREIL A RACLE POUR APPLICATION DE SUBSTANCES FLUIDES OU PULVERULENTES SUR DES SURFACES PLANES.

Publication

EP 0423274 B1 19931103 (DE)

Application

EP 90906046 A 19900417

Priority

AT 92489 A 19890418

Abstract (en)

[origin: WO9012687A1] Doctor blade device for applying or for spreading or smoothing suitable free-flowing or powdered substances on flat surfaces (15), webs or the like, in connection with or without the use of templates (16), preferably in connection with magnetically generated pressure of a doctor blade. A doctor blade or a profiled rod (9) which supports or, if necessary, touches or loosely surrounds the doctor blade, are adjusted parallel to the plane of the application surface or of the template (16) or the like by an auxiliary device incorporated in the doctor blade device (12). The profiled rod consists essentially of at least one, at least approximately centrally arranged pivot joint or rotary disk joint or possibly spherical joint (5) or, in the case of very long devices, it consists, if necessary, of two or more rotary disk joints or the like arranged symmetrically or approximately symmetrically along the length of the doctor blade element (12, 121). The doctor blade element or the profiled rod (9) which supports, touches or surrounds the doctor blade is connected to the doctor blade device by said joints and is secured so as to rotate and slide with the doctor blade device.

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