

Title (en)
DOCTOR BLADE SUPPORTING STRUCTURE

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Application
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Abstract (en)
[origin: EP0485597A1] A doctor blade supporting structure for paper making rolls, which is provided with a reinforcing plate (5) laminated on a blade holder (2), and a finely adjusting screw (10) for use in regulating the blade holder (2) via the free edge (51), which is on the side of the blade (1), of the reinforcing plate (5) so that the blade holder (2) can be moved to engage and disengage from the blade (1). This structure enables a proper posture of the blade (1) to be retained, and the blade (1) in use to be engaged with the mating roll surface with a uniform and constant contact pressure distribution at all times. Moreover, the contact pressure of the blade (1) can be distributed uniformly in the axial direction of the roll surface.
<IMAGE>

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D21G 3/00

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
• [X] GB 368472 A 19320310 - RICE BARTON & FALES INC
• [Y] DE 1635384 A1 19710311 - DORNBUSCH & CO
• [Y] GB 990670 A 19650428 - LODDING ENGINEERING CORP
• [A] US 2477339 A 19490726 - LJUNGQUIST ERNST R
• [A] US 3085275 A 19630416 - ALLISON THOMAS K
• [A] FR 2019582 A1 19700703 - VICKERYS LTD
• [A] GB 1419616 A 19751231 - ROSS LTD JAMES
• See references of WO 9118147A1

Cited by
US7867364B2; EP1186703A3; EP1947239A3; CN107287970A; US6139638A; US5980692A; US6312563B1; US6547932B1; WO9932717A1; US8321992B2; WO0046446A1; WO9937856A1

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