

Title (en)
SCRAPING DEVICE

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Application
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Priority
DE 3311999 A 19830402

Abstract (en)
[origin: US4637338A] PCT No. PCT/EP84/00088 Sec. 371 Date Oct. 5, 1984 Sec. 102(e) Date Oct. 5, 1984 PCT Filed Mar. 29, 1984 PCT Pub. No. WO84/03847 PCT Pub. Date Oct. 11, 1984. An apparatus for scraping off excess coating composition from a traveling web of paper has a doctor, in the form of a flexible blade used as is or with a metering rod thereon. The doctor is fastened to a doctor supporting beam and can be pressed against the web of a paper by means of a supporting ledge which is fastened to the doctor supporting beam. The doctor supporting beam is swingably mounted at each of its two ends in a respective intermediate pivoting lever. Each intermediate lever is, in turn, pivotably mounted to a supporting bar. The pivoting axis of the intermediate levers lies as close as possible to the line of attack of the doctor on the web of paper. However, the pivoting axis of the doctor supporting beam is displaced from the pivoting axis of the intermediate levers. The end of the intermediate lever remote from its pivoting axis is connected by a pair of lift mechanisms to the doctor supporting beam. A spindle drive effects a joint swinging of the doctor supporting beam and the intermediate lever relative to both pivoting axes to maintain the doctor at a constant angle of attack relative to the web. The spindle drive and the two lift mechanisms can be coupled to each other.

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