

Title (en)
A high flow capacity barrier type screening apparatus and method therefor.

Title (de)
Siebgerät hoher Durchflusskapazität und Methode hierfür.

Title (fr)
Appareil de tamisage à haute capacité et méthode.

Publication
EP 0299258 A1 19890118 (EN)

Application
EP 88110145 A 19880624

Priority
US 6763587 A 19870626

Abstract (en)
An apparatus for screening paper stock comprises a vessel, a cylindrical screen cylinder within the vessel, a rotating element moving in the vicinity of the screen cylinder at a predetermined speed, an inlet for unscreened stock, an outlet for the screened stock, and an outlet for the stock fibers and unwanted rejectable material which does not pass through the screen cylinder. The rotating element has a contour surface with grooves formed of a first bottom plane (10) parallel to the envelope surface, an inclined plane (20), an upper plane (30), and a side plane (40), the side plane (40) being essentially perpendicular to the first plane (10), the inclined plane (20) forming an angle between 5 DEG - 60 DEG with the first plane (10), the upper plane (30) being parallel to the first plane (10). The rotor element may be either a rotor or blade type segments. Also the screen cylinder has a contour surface. The inclined plane of the contour surface of the rotor may be the upstream or the downstream side plane. The method is also described. The invention is particularly useful in the screening of the stock flowing to the headbox of a paper making machine.

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CPC (source: EP KR)
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Citation (search report)
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