

Title (en)
APPARATUS FOR SCREENING PAPER FIBER STOCK

Publication
EP 0212785 B1 19910731 (EN)

Application
EP 86303932 A 19860523

Priority
US 76426385 A 19850809

Abstract (en)
[origin: EP0212785A1] In screening apparatus for paper fiber stock of the type wherein a cylindrical perforate screen member (13) defines screening (15) and accepts (16) chambers on the inner and outer sides thereof in a closed housing (10), the inlet chamber (20) for stock to be screened is located below the screening chamber (15) to facilitate elimination of high specific gravity reject materials before the stock reaches the screening chamber. Special provision is made for accelerating the flow of plastic and other reject materials of lower specific gravity than wet paper fibers to a reject chamber (55) above the screening chamber (15), and baffles (40, 52) are also provided for preventing recirculation of such reject materials to the lower end of the screening chamber and thereby concentrating them in the reject chamber from which they are removed via outlet (56) and fed to a dewatering device that delivers essentially dry reject material for ready disposal. The effectiveness and efficiency of the apparatus is further promoted by supplying water via an inlet (57) for washing fiber away from reject materials in the upper portion of the screening chamber and thereby increasing the overall yield of recovered fiber.

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