

Title (en)
PRESSURE KNOTTER SCREENING APPARATUS

Publication
EP 0331883 A3 19910612 (DE)

Application
EP 89100830 A 19890119

Priority
US 16478788 A 19880307

Abstract (en)
[origin: EP0331883A2] A rotor is concentrically arranged within a cylindrical sorter. The rotor carries a multiplicity of vanes very close to the wire in order to produce hydrodynamic impulses against the flow of liquid which clean the wire. Each vane comprises a first section attached to the rotor; this first section has an inclined surface and a surface essentially extending in a radial direction. A second section of the vane is attached to, but can be removed from, the radially extending surface of the first section. The removeable second section extends radially beyond the first section. If the removeable section has worn out as a result of extended use, it can be removed and replaced by a new second section. In a preferred embodiment, the thickness of the second section of the vane is equal to or greater than the diameter of the holes in the wire. It is also preferred that the length of the second vane section that extends beyond the first section is greater than the diameter of the holes in the wire. In this embodiment, the length of the projection of the inclined surface of the first section should be greater than the length of the surface extending in a radial direction.

IPC 1-7
D21D 5/02

IPC 8 full level
D21D 5/02 (2006.01)

CPC (source: EP)
D21D 5/026 (2013.01)

Citation (search report)

- [A] DE 543259 C 19320203 - KAMYR AB
- [A] US 4200537 A 19800429 - LAMORT JEAN P J [FR]
- [A] WO 8607105 A1 19861204 - AHLSTROEM OY [FI]

Designated contracting state (EPC)
AT DE FR SE

DOCDB simple family (publication)
EP 0331883 A2 19890913; EP 0331883 A3 19910612; EP 0331883 B1 19940406; AT E104002 T1 19940415; CA 1321551 C 19930824; DE 58907372 D1 19940511; FI 890811 A0 19890220; FI 890811 A 19890908; FI 93870 B 19950228; FI 93870 C 19950612

DOCDB simple family (application)
EP 89100830 A 19890119; AT 89100830 T 19890119; CA 592862 A 19890306; DE 58907372 T 19890119; FI 890811 A 19890220