

Title (en)
PAPERMAKER'S SCREEN CYLINDER WITH HELIX SCREEN ELEMENT

Title (de)
SORTIERZYLINDER ZUR PAPIERHERSTELLUNG MIT SPIRALFÖRMIGEM SORTIERELEMENT

Title (fr)
CYLINDRE CLASSEUR A ELEMENT TAMIS HELICOIDAL POUR MACHINE A PAPIER

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EP 1161308 A4 20020529 (EN)

Application
EP 99966336 A 19991216

Priority
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• US 11345698 P 19981223

Abstract (en)
[origin: WO0038849A1] A papermaker's screen cylinder (10) has a screen body (11) formed as a helical strip (15) of sheet material being joined along marginal edges to form lock seams (18), and mounted on end rings (12, 13). The strip (15) may be perforated with openings therein such as holes or may have openings or holes formed therein after being helically wound. The strip (15) is preferably corrugated transversely of its width with corrugations (21, 22) that extend parallel to the edges of the strip so as to enhance the beam strength of the strip. The end rings may be formed of stainless steel or may be formed of a polymer or composite material (36) bounded on the ends of the cylindrical screen body and retained by embedded anchors (40) extending through the screen body and into the material of the rings.

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Citation (search report)
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• [X] EP 0453348 A1 19911023 - LAMORT E & M [FR]
• [X] EP 0511182 A2 19921028 - OLCON ENGINEERING AB [SE]
• See references of WO 0038849A1

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WO 0038849 A1 20000706; BR 9916541 A 20010911; CA 2356137 A1 20000706; CN 1354698 A 20020619; EP 1161308 A1 20011212; EP 1161308 A4 20020529; JP 2003506578 A 20030218

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