

Title (en)
Screen cylinder and method of manufacture.

Title (de)
Siebkorb und Verfahren zu seiner Herstellung.

Title (fr)
Tamis cylindrique et son procédé de fabrication.

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Application
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Abstract (en)
The present invention relates to a screen cylinder (1) and a method of manufacturing thereof. The method and the screen cylinder according to the invention are especially suitable for treating fiber suspensions of the pulp and paper industry. Screen plates of the prior art are mainly manufactured by manual welding, whereby the dimensional accuracy of the cylinders has been low and, because of the welding method used, the cylinder has had to be finish machined after assembly. The method of the invention is characterized in that the screen cylinder (1) is assembled into a single package comprising cylindrical screening sections (2-4), clamping rings (7) and end rings (8,9), which are ready finished as to their dimensional accuracy and surface quality, said parts being then compressed by means of a special tool and welded together, preferably by a laser welding method, in one working stage.

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Cited by
US6257413B1; US5791495A; EP1273696A1; US7506767B2; WO9924663A1; WO9734045A1; US6216877B1; WO9806893A1

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