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Screen cylinder and method of manufacture.

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.

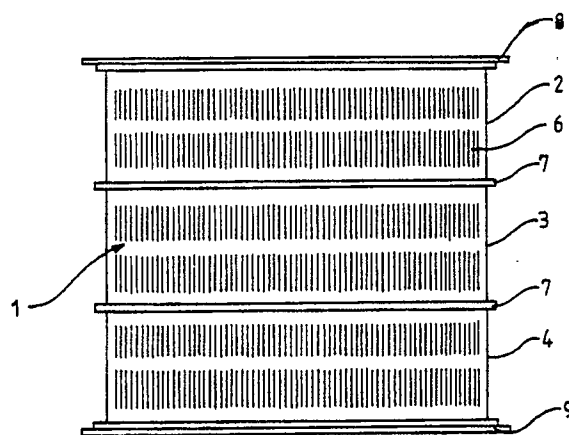


FIG. 1



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
D, A	US-A-4264438 (FREJBORG) * the whole document * -----	1, 8	D21D5/16
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			D21D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 14 SEPTEMBER 1990	Examiner DE RIJCK F.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			