

Title (en)

Process for making screens and screen obtained by this method

Title (de)

Verfahren zur Herstellung von Sieben sowie dadurch hergestelltes Sieb

Title (fr)

Procédé pour la fabrication de tamis et tamis ainsi obtenu

Publication

EP 0837178 A1 19980422 (DE)

Application

EP 97114817 A 19970827

Priority

DE 19635189 A 19960830

Abstract (en)

To produce a sieve, sieve strips (2) are produced with openings (7) for sorting the fibre suspension. The long sides (4) with identical shape surfaces (5) along their length extension. At least two bar carriers have open recesses (6) at one side, at a given gap (a). Profile rods (1) are made, where the profile at the foot has a joint contour (10) to fit into the carrier recess (6). The sides are profiled with grooves (8) or projections (9), to fit into the shape surfaces (5) at the strips (2). The profile rods (1) are positioned in the carrier (3) recesses (6), parallel to each other, by laying or sliding into place, with the sieve strips (2) parallel to each other between them. The carriers (3) are manipulated into their final shape that, at the same time, distorts the mountings for the profile rods (1) and clamps them in place. Also claimed is a sieve where the carrier (3) is bent into a closed ring, with durably bonded butting ends, to give a cylindrical sieve body, or it is bent into an arc to give a sieve on a circle segment, or the carriers are flat to give a flat sieve body.

Abstract (de)

Durch das Verfahren werden mit Sortieröffnungen (7) versehene Siebe hergestellt. Dazu ist ein Sieb aus einer Mehrzahl von Siebstreifen (2) aufgebaut, die zusammen mit Profilstäben (1) parallel zueinander ausgerichtet werden und durch Formschluß miteinander sowie mit mindestens zwei querliegenden Trägern (3) verbunden werden. Verwendung finden so hergestellte Siebe z.B. in der Papierindustrie als Sortierer-Siebkörbe.
<IMAGE>

IPC 1-7

D21D 5/16

IPC 8 full level

D21D 5/16 (2006.01)

CPC (source: EP US)

D21D 5/16 (2013.01 - EP US); **Y10T 29/49604** (2015.01 - EP US); **Y10T 29/49908** (2015.01 - EP US)

Citation (search report)

- [A] US 2423442 A 19470708 - FRANK DUSTAN
- [A] US 2588533 A 19520311 - VICTOR JOHNSON
- [A] EP 0417408 A1 19910320 - VOITH GMBH J M [DE]

Cited by

AT408773B; CN108348961A; DE10148192A1; DE10052715A1

Designated contracting state (EPC)

AT BE CH DE ES FI FR GB IT LI NL SE

DOCDB simple family (publication)

US 6092286 A 20000725; AT E211194 T1 20020115; DE 19635189 A1 19980305; DE 19635189 C2 19990128; DE 59705868 D1 20020131; EP 0837178 A1 19980422; EP 0837178 B1 20011219; ES 2170309 T3 20020801

DOCDB simple family (application)

US 92109097 A 19970829; AT 97114817 T 19970827; DE 19635189 A 19960830; DE 59705868 T 19970827; EP 97114817 A 19970827; ES 97114817 T 19970827