

Title (en)
SORTING SCREEN

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Application
EP 87102624 A 19870224

Priority
DE 3607457 A 19860307

Abstract (en)
[origin: US4812229A] The screen wire has depressions (5), on the base of which there are fine slits (4) or wire holes. The depressions are generally oblong, their longitudinal extension being parallel or slightly inclined to the axis of rotation of a rotor and the screening blades (2) skirting close to the screen surface. The front edge of the depressions (5)-viewed in the direction of rotation of the screening blades (2)-is inclined towards the enveloping surface of the screen, and has an angle of between 15 DEG and 60 DEG from the surface perpendicular and is preferably inclined at 30 DEG . The slits or rows-of-holes run parallel to the front edge of the depressions (5). These screen cages for the screening of screening fiber suspensions provide better screening efficiency and they have less blockage.

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D21D 5/16

IPC 8 full level
B03B 5/48 (2006.01); **B07B 1/20** (2006.01); **B07B 1/46** (2006.01); **D21D 5/16** (2006.01)

CPC (source: EP US)
D21D 5/16 (2013.01 - EP US)

Citation (search report)
• [Y] EP 0079811 A1 19830525 - LAMORT E & M [FR]
• [Y] EP 0146641 A1 19850703 - FINCKH MASCHF [DE]
• [A] GB 1242086 A 19710811 - LAMORT E & M [FR]
• [A] EP 0093187 A1 19831109 - FINCKH MASCHF [DE]
• [A] US 2419155 A 19470415 - ORTON JR SAMUEL T
• [A] US 3409132 A 19681105 - MEADOWS EWELL B

Cited by
CN1077634C; EP0471195A1; EP0414119A1; USRE39940E; WO9720103A1; WO8906719A1; WO9001983A1; WO9639558A1; WO9004675A1

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