

Title (en)
IMPROVED SCREEN CLAMP

Publication
EP 0218315 A3 19880511 (EN)

Application
EP 86304423 A 19860610

Priority
• GB 8514982 A 19850613
• GB 8514983 A 19850613

Abstract (en)
[origin: EP0218315A2] A basket (101) of vibratory screening apparatus comprises inflatable means (103) positioned to overlie a part of a screen member (105, 107) mounted in the basket. Inflation of the inflatable means (103) causes it to press against a screen frame (107) of the screen member, clamping it against a support (109, 129) of the basket (101). The inflatable means (103) may be deflatable and a reservoir (119) may be provided for vented inflation fluid. The screen member may be pre- or post-tensioned. The basket (101) may comprise supports (129) and inflatable means (103) positioned to press against parts of the screen member remote from its periphery. In another arrangement a clamping device for a screen member in vibratory screening apparatus comprises a frame member (1) on which is mounted an inflatable stocking (7). In use, the clamping device is inserted into the basket (21) of the screening apparatus so as to overlie the screen member, and the inflatable stocking (7) is expanded so as to press the screen member against a portion (17, 19, 31) of the basket (21) while the clamping device reacts against a further portion (17, 19, 33) of the basket (21). This pressure from the stocking (7) holds the screen member in place. The screen member may have a screen (13) mounted in a frame (15) and the stocking (7) presses against this screen frame (15). The stocking (7) may press against the periphery of the screen member only or may press against other parts of the screen member as well.

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B07B 1/48

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B07B 1/48 (2006.01)

CPC (source: EP)
B07B 1/48 (2013.01)

Citation (search report)
• [X] US 4082657 A 19780404 - GAGE ERNEST L
• [X] US 4457839 A 19840703 - BAILEY MARSHALL G [GB]
• [X] FR 1282627 A 19620127 - SOCAM SA
• [X] FR 1326260 A 19630503
• [X] US 2279042 A 19420407 - HARRINGTON DANIEL J
• [AD] EP 0130744 A2 19850109 - SWECO INC [US]

Cited by
EA016036B1; FR2631255A1; GB2312858A; GB2312858B; GB2408006A; GB2408006B; US8561804B2; US8245850B2; US6935511B2; US7721896B2; WO2009046071A3

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