



(11)

EP 4 219 027 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
04.10.2023 Bulletin 2023/40

(51) International Patent Classification (IPC):
B07B 1/46 (2006.01)

(43) Date of publication A2:
02.08.2023 Bulletin 2023/31

(52) Cooperative Patent Classification (CPC):
B07B 1/4609; B07B 1/4663; B07B 1/4681

(21) Application number: **23157742.0**

(22) Date of filing: **28.02.2014**

(84) Designated Contracting States:
**AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO
PL PT RO RS SE SI SK SM TR**

(30) Priority: **15.03.2013 US 201313838968**

(62) Document number(s) of the earlier application(s) in accordance with Art. 76 EPC:
14711661.0 / 2 969 265

(71) Applicant: **Derrick Corporation
Buffalo, NY 14225 (US)**

(72) Inventors:

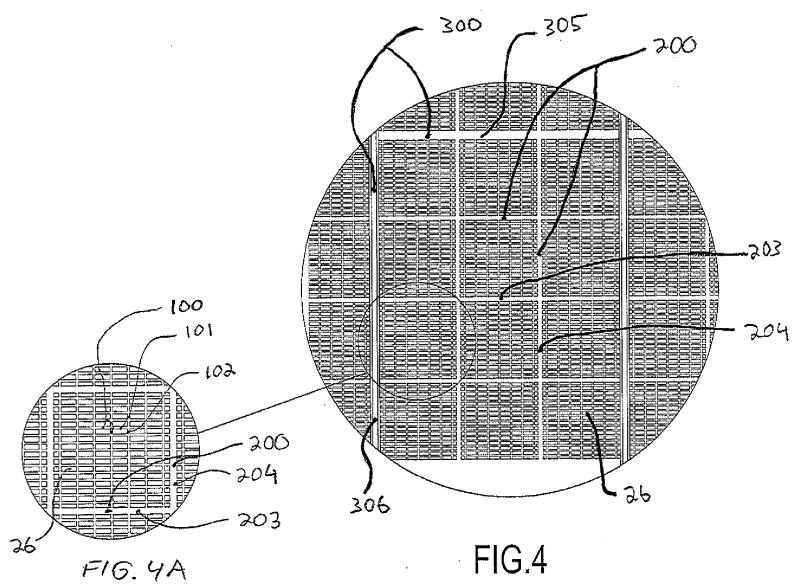
- Lipa, Anthony J.
Williamsville, 14221 (US)**
- Colgrove, James R.
East Aurora, 14052 (US)**

(74) Representative: **Boult Wade Tennant LLP
Salisbury Square House
8 Salisbury Square
London EC4Y 8AP (GB)**

(54) POLYURETHANE VIBRATORY SCREEN

(57) A molded polyurethane vibratory screen including a body having opposite side edge portions, upper and lower edge portions, an upper surface and a lower surface, first members extending between the side edge portions and the second members extending between the lower edge portion and the upper edge portion, third members substantially parallel and extending trans-

versely between the side edge portions and having multiple first members therebetween, the fourth members substantially parallel and extending transversely between the lower edge portion and the upper edge portion and having multiple second members therebetween, reinforcement members molded integrally with the third and fourth members.





EUROPEAN SEARCH REPORT

Application Number

EP 23 15 7742

5

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
10	X US 2004/211707 A1 (LIPA ANTHONY J [US]) 28 October 2004 (2004-10-28) * paragraphs [0021], [0022] * * paragraph [0021] - paragraph [0031] * * figures 1,3,5 *	1-15	INV. B07B1/46
15	A,D US 4 857 176 A (DERRICK JAMES W [US] ET AL) 15 August 1989 (1989-08-15) * column 1, lines 41-50 * * column 2, lines 33-40 * * figure 1 *	1-15	
20		-----	
25			
30			
35			
40			
45			
50	The present search report has been drawn up for all claims		
55	2 Place of search The Hague	Date of completion of the search 22 August 2023	Examiner Posten, Katharina
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			

ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 23 15 7742

5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

22-08-2023

10	Patent document cited in search report	Publication date	Patent family member(s)	Publication date
15	US 2004211707 A1	28-10-2004	AT 479507 T AU 2004232955 A1 BR PI0410496 A CA 2523198 A1 CN 1809427 A EP 1539383 A2 JP 2006524132 A MX PA05011398 A RU 2345846 C2 TR 200502874 T3 US 2004211707 A1 WO 2004094076 A2	15-09-2010 04-11-2004 13-06-2006 04-11-2004 26-07-2006 15-06-2005 26-10-2006 23-08-2006 10-02-2009 21-09-2005 28-10-2004 04-11-2004
20	US 4857176 A	15-08-1989	NONE	
25				
30				
35				
40				
45				
50				
55				

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82