



US00RE46207E

(19) **United States**
(12) **Reissued Patent**
Brede et al.

(10) **Patent Number: US RE46,207 E**
(45) **Date of Reissued Patent: Nov. 22, 2016**

(54) **MAGNETIC SEPARATION APPARATUS**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **LIFE TECHNOLOGIES AS**,
Carlsbad, CA (US)

EM 000788799-0001 9/2007
EM 000788799-0002 9/2007

(Continued)

(72) Inventors: **Gaute Brede**, Ranheim (NO); **Darren Ellis**, Lommedalen (NO); **Tine Hildisch**, Oslo (NO); **Jeremy (“Jez”) Mundy**, Fairford (GB); **Lars Nokleby**, Stabekk (NO); **Erlend Ragnhildstveit**, Oslo (NO); **Richard Toften**, Paradis (NO); **Kornelija Zgonc**, Carlsbad, CA (US)

Primary Examiner — Phillip S Hyder

(74) *Attorney, Agent, or Firm* — Michael J. Smith

(73) Assignee: **LIFE TECHNOLOGIES AS**, Oslo (NO)

(57) **CLAIM**

The ornamental design for a magnetic separation apparatus, as shown and described.

(21) Appl. No.: **29/454,427**

(22) Filed: **May 9, 2013**

DESCRIPTION

Related U.S. Patent Documents

Reissue of:

(64) Patent No.: **Des. 637,709**
Issued: **May 10, 2011**
Appl. No.: **29/305,042**
Filed: **Mar. 12, 2008**

[FIG. 1 is a top perspective view of an embodiment;]
[FIG. 2 is a side view of an embodiment;]
[FIG. 3 is a side view of an embodiment;]
[FIG. 4 is a side perspective view of an embodiment; and,]
[FIG. 5 is a side perspective view of an embodiment where two of the pieces have been separated.]
[No color is claimed as part of the design, nor are any logos, and/or written matter claimed as part of the design.]
FIG. 1 is a top front and right side perspective view of a magnetic separation apparatus, showing my new design;
FIG. 2 is a cross section view taken along the line 2-2 of FIG. 1;
FIG. 3 is a side elevation view thereof;
FIG. 4 is a top front and left side perspective view thereof; and,
FIG. 5 is a top front and left side perspective view thereof wherein the components of the design are separated.
The broken lines depict portions of the magnetic separation apparatus in which the design is embodied that are not considered part of the claim design.

(51) **LOC (10) Cl.** **24-02**
(52) **U.S. Cl.**
USPC **D24/107**
(58) **Field of Classification Search**
USPC D24/107, 108; 210/222, 232, 695,
210/223.1; 422/101, 104, 527
See application file for complete search history.

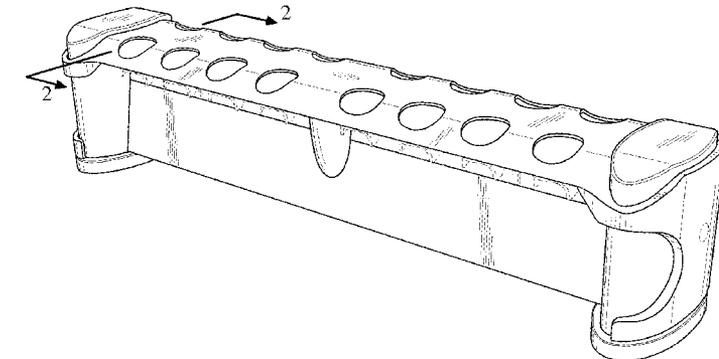
(56) **References Cited**

U.S. PATENT DOCUMENTS

4,895,650 A 1/1990 Wang
5,567,326 A * 10/1996 Ekenberg et al. 210/695
6,123,205 A 9/2000 Dumitrescu et al.
6,193,892 B1 * 2/2001 Krueger et al. 210/695
6,562,239 B2 * 5/2003 Foy et al. 210/695

1 Claim, 4 Drawing Sheets

Matter enclosed in heavy brackets [] appears in the original patent but forms no part of this reissue; matter printed in italics indicates the additions made by reissue.



US RE46,207 E

Page 2

(56)

References Cited

FOREIGN PATENT DOCUMENTS

U.S. PATENT DOCUMENTS

7,740,759 B2 * 6/2010 Su et al. 210/222
7,829,026 B2 * 11/2010 Su et al. 422/527

EM 000788799-0003 9/2007
EM 000788799-0004 9/2007

* cited by examiner

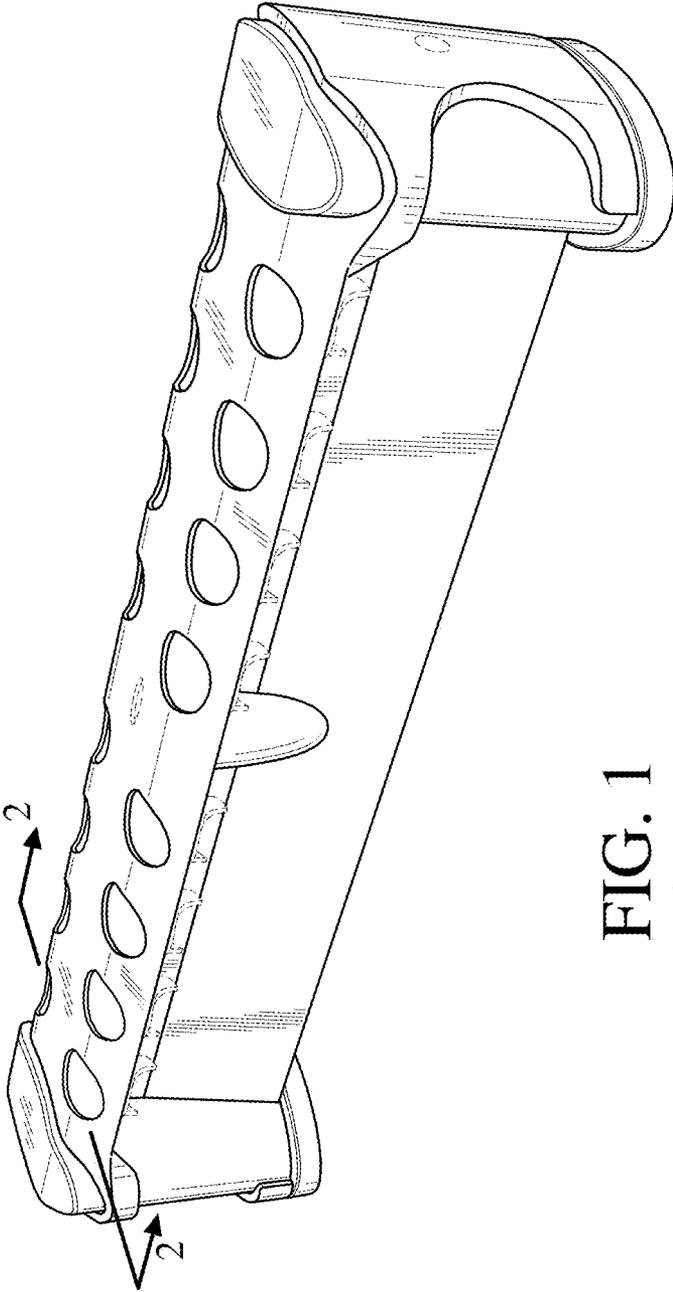


FIG. 1
AMENDED

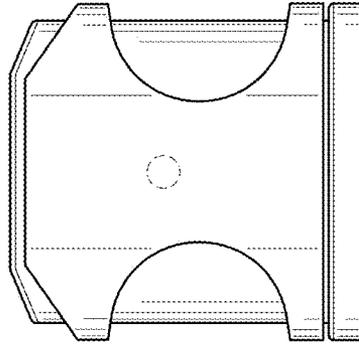


FIG. 3
AMENDED

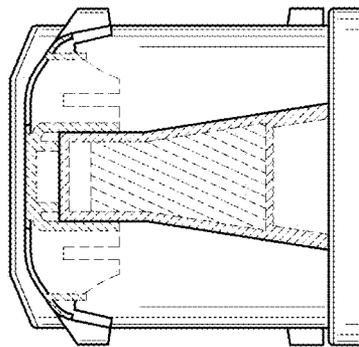


FIG. 2
AMENDED

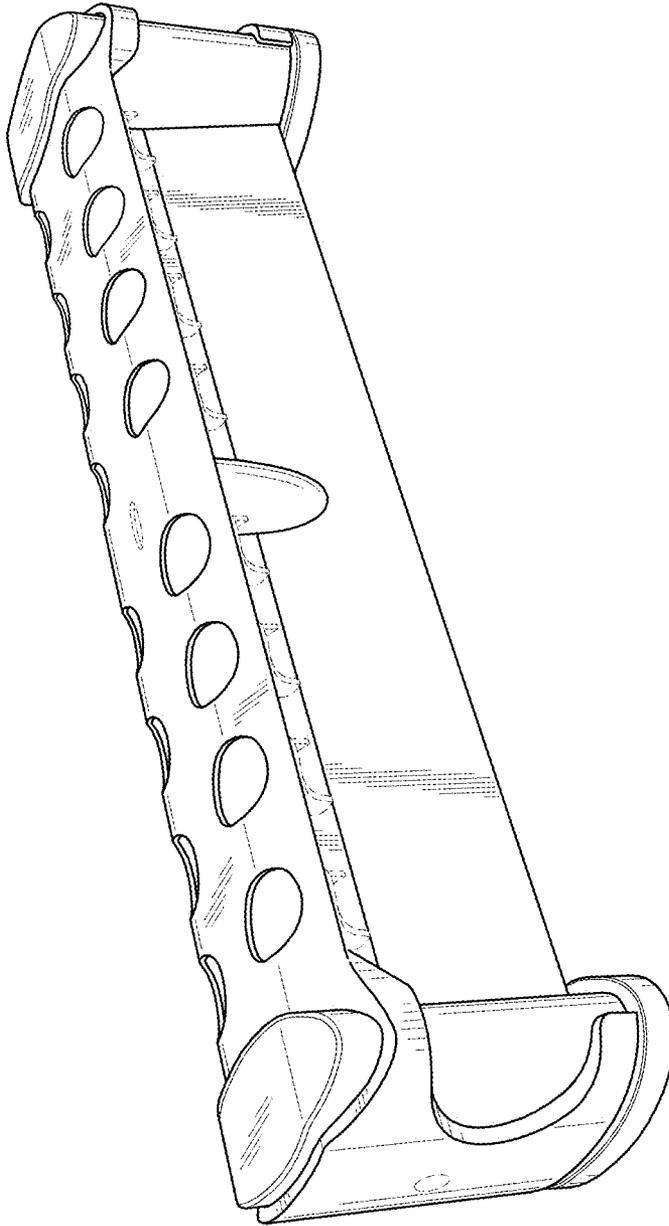


FIG. 4
AMENDED

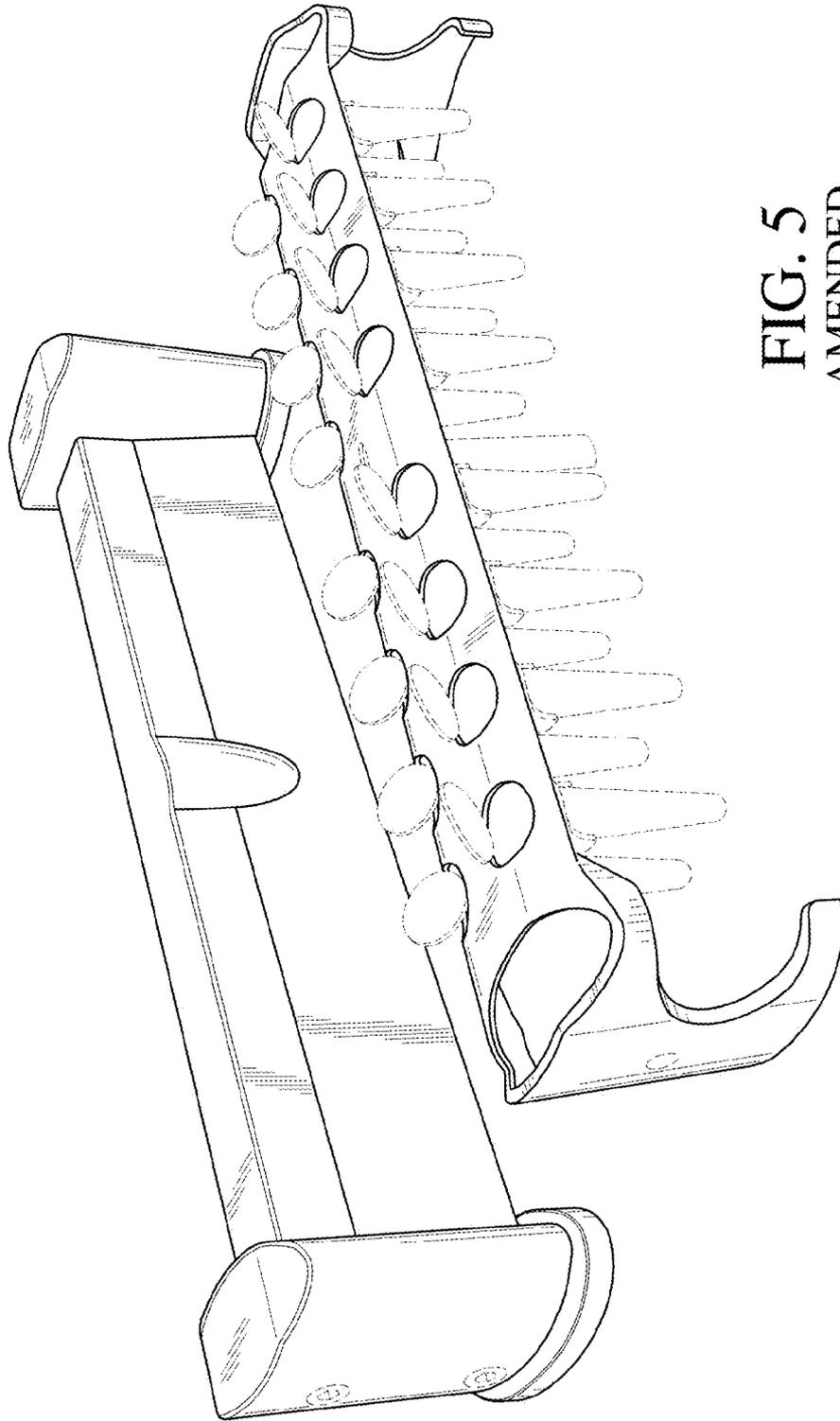


FIG. 5
AMENDED