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(12) **United States Design Patent** (10) **Patent No.:** **US D869,684 S**  
**Ma et al.** (45) **Date of Patent:** **\*\* Dec. 10, 2019**

(54) **ISOTHERMAL AMPLIFICATION  
MICROFLUIDIC CHIP NUCLEIC ACID  
ANALYZER**

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\* cited by examiner

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(57) **CLAIM**

We claim the ornamental design for an isothermal ampli-  
fication microfluidic chip nucleic acid analyzer, as shown and  
described.

(\*\*) Term: **15 Years**

(21) Appl. No.: **29/636,315**

(22) Filed: **Feb. 7, 2018**

(51) **LOC (12) Cl.** ..... **24-01**

(52) **U.S. Cl.**

USPC ..... **D24/232**

(58) **Field of Classification Search**

USPC ..... D24/107, 185, 186, 216, 231–234;  
D10/81

CPC ..... G01N 2035/00306; G01N 2035/00326;  
G01N 2035/00336; G01N 2035/00366;  
G01N 21/6428; G01N 21/645; G01N  
2201/068; C12Q 1/686; C12Q 1/6846;  
B01L 7/52

See application file for complete search history.

**DESCRIPTION**

The patent or application file contains at least one drawing  
executed in color. Copies of this patent or patent application  
publication with color drawings will be provided by the  
office upon request and payment of the necessary fee.

FIG. 1 is a front perspective view of an isothermal ampli-  
fication microfluidic chip nucleic acid analyzer showing our  
new design;

FIG. 2 is a front view thereof;

FIG. 3 is a rear view thereof;

FIG. 4 is a side view thereof;

FIG. 5 is a side view of the opposite side of FIG. 4;

FIG. 6 is a top view thereof; and,

FIG. 7 is a bottom view thereof.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

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**1 Claim, 7 Drawing Sheets**  
**(7 of 7 Drawing Sheet(s) Filed in Color)**







FIG. 1





FIG. 2





FIG. 3





FIG. 4





FIG. 5





FIG. 6



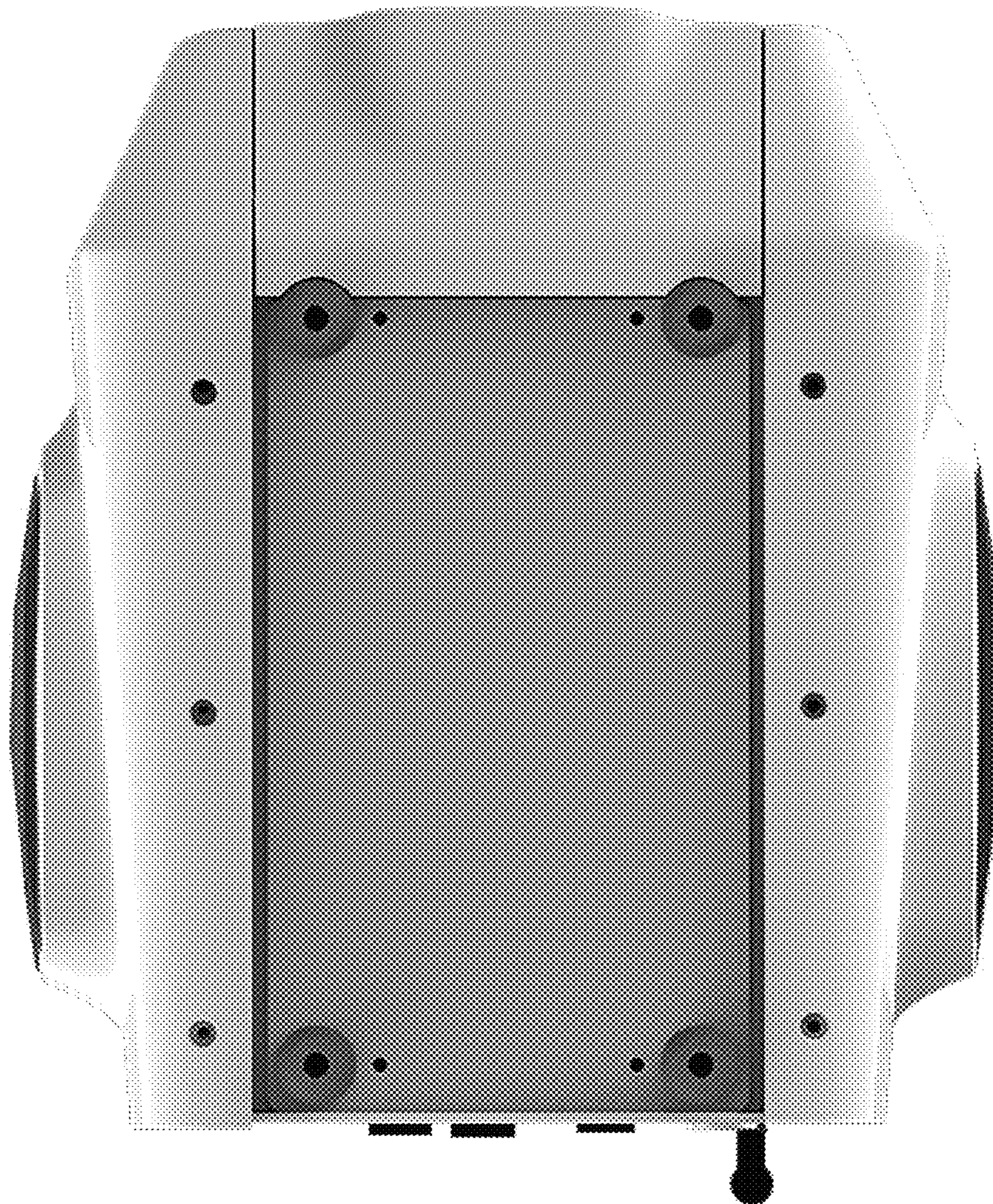


FIG. 7