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(12) **United States Design Patent** (10) **Patent No.:** **US D829,393 S**  
**Shin** (45) **Date of Patent:** **\*\* Sep. 25, 2018**

(54) **VACUUM CLEANER**

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(72) Inventor: **Mijoo Shin, Seoul (KR)**

(73) Assignee: **LG ELECTRONICS INC., Seoul (KR)**

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(52) **U.S. Cl.**  
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CPC ..... **A47L 5/225 (2013.01)**

(58) **Field of Classification Search**

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CPC ..... A47L 5/24; A47L 5/28; A47L 5/34; A47L 5/362; A47L 5/36; A47L 11/34; A47L 9/325; A47L 9/20; A47L 9/02; A47L 9/32; A47L 9/322; A47L 9/327; A47L 7/0038

See application file for complete search history.

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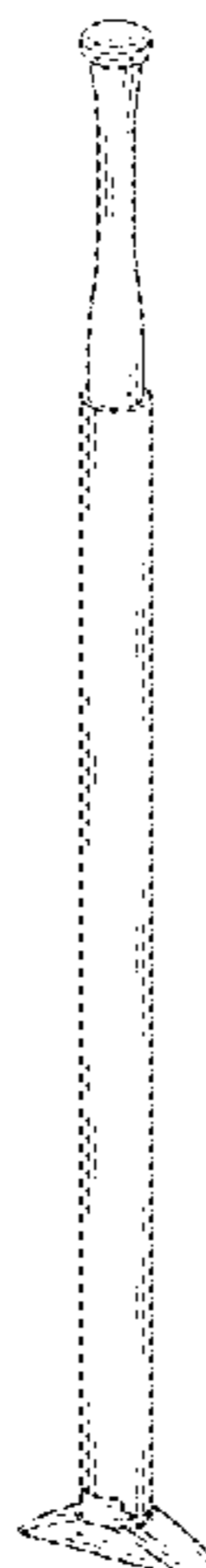
(57) **CLAIM**

The ornamental design for a vacuum cleaner, as shown and described.

**DESCRIPTION**

1. Vacuum cleaner  
1.1 is a perspective view of a vacuum cleaner, showing our new design;  
1.2 is a front elevation view thereof;  
1.3 is a rear elevation view thereof;  
1.4 is a left-side elevation view thereof;  
1.5 is a right-side elevation view thereof;  
1.6 is a top plan view thereof;  
1.7 is a bottom plan view thereof;  
1.8 is another perspective view thereof, mounted on a charging holder and having its handle inserted;  
1.9 is another perspective view thereof, shown separate from the charging holder; and  
1.10 is another perspective view thereof, in a use condition.  
The broken lines shown in figures 1.7 through 1.9 are for the purpose of illustrating environmental structure and form no part of the claimed design.

**1 Claim, 10 Drawing Sheets**



(56)

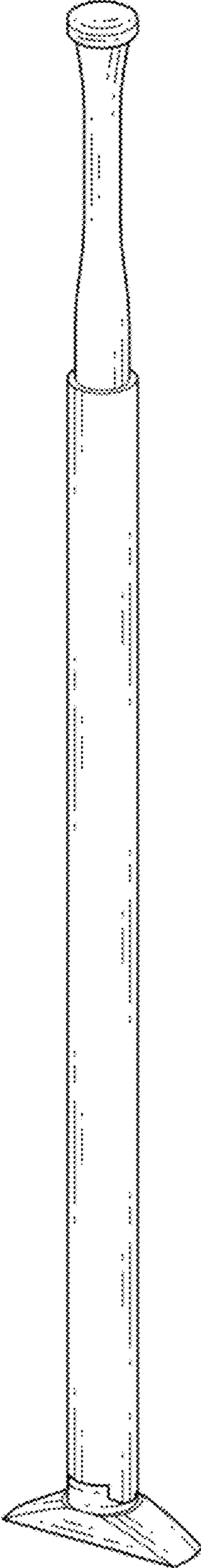
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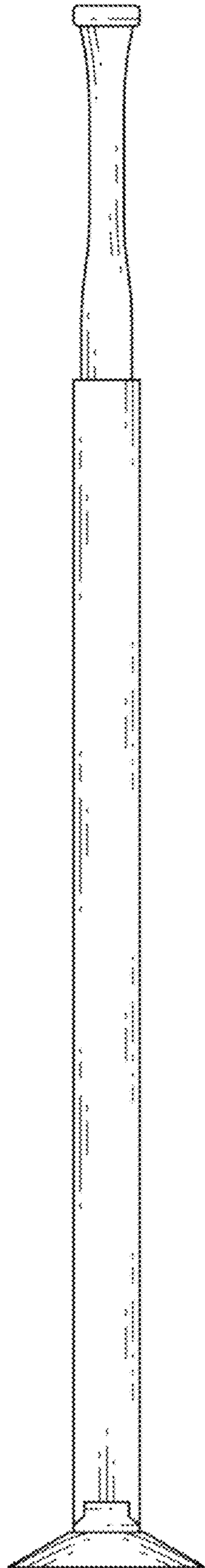
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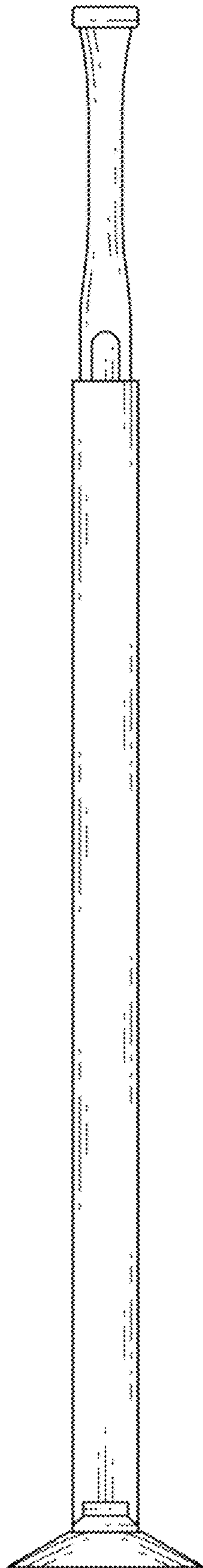
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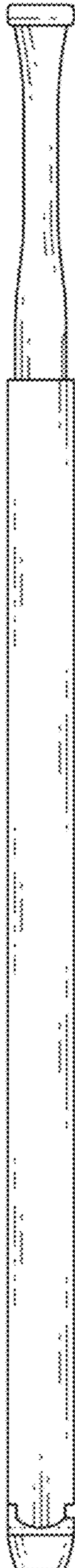
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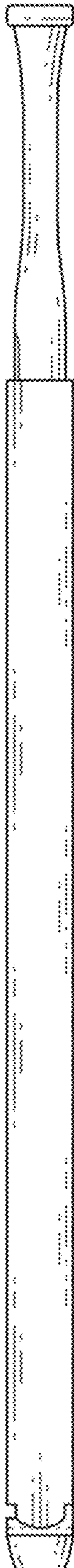
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1.4



1.5

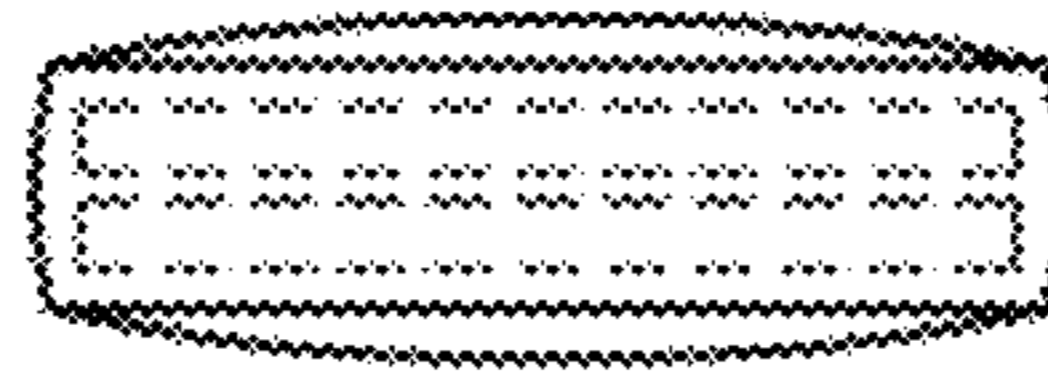


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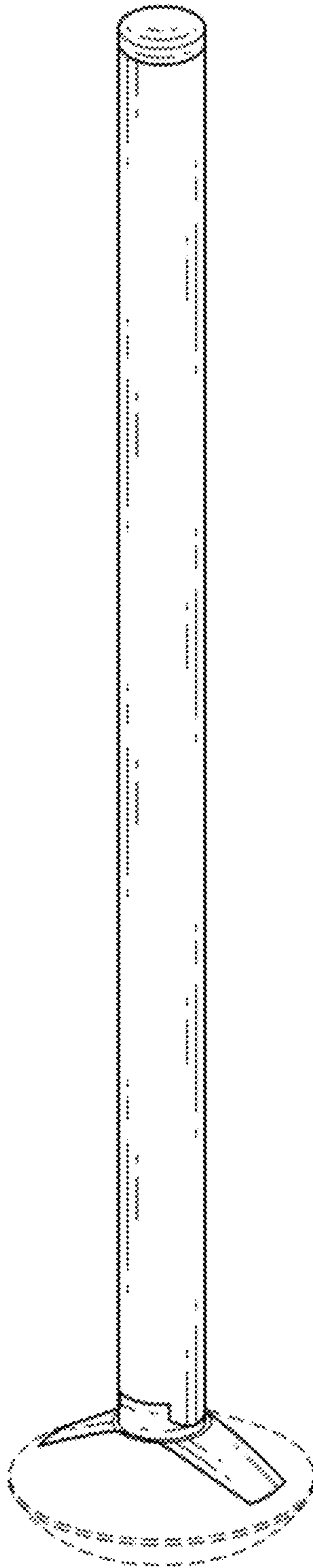




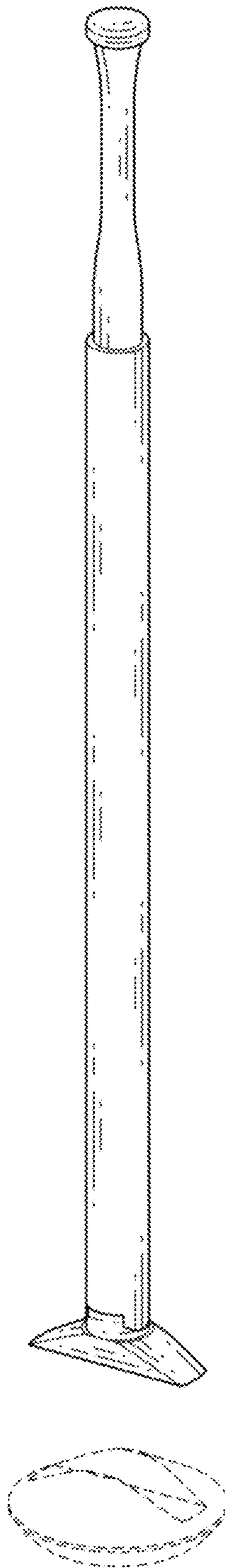
**1.7**



1.8



1.9



**1.10**

