

United States Patent [19]

Yamamoto et al.

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[54] VACUUM CLEANER

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[73] Assignee: Sharp Corporation, Osaka, Japan

[**] Term: 14 Years

[21] Appl. No.: 40,236

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[30] Foreign Application Priority Data

Oct. 20, 1986 [JP] Japan 61-41611

[52] U.S. Cl. D32/22

[58] Field of Search D32/21-22,
D32/24, 32-34; 15/320-322, 328-329, 333,
338, 344, 347, 349-351, 353, 410, 412, 414, 415
R, 415 A, 418-422

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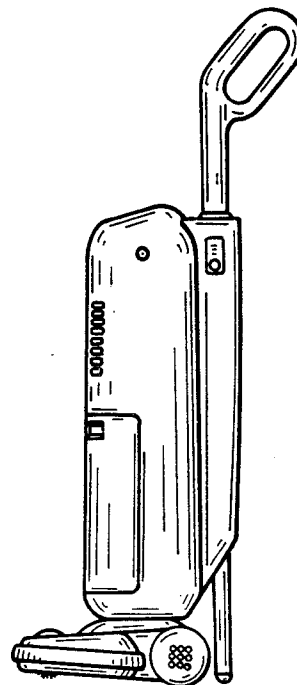
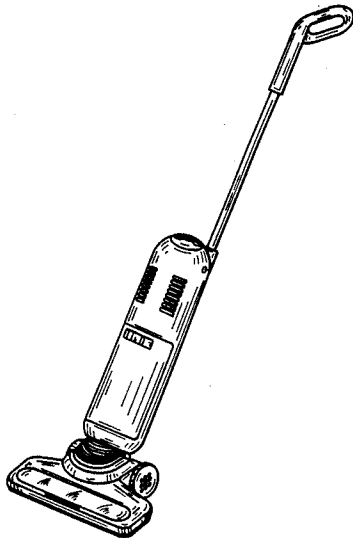
Primary Examiner—Bruce W. Dunkins
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Albritton & Herbert

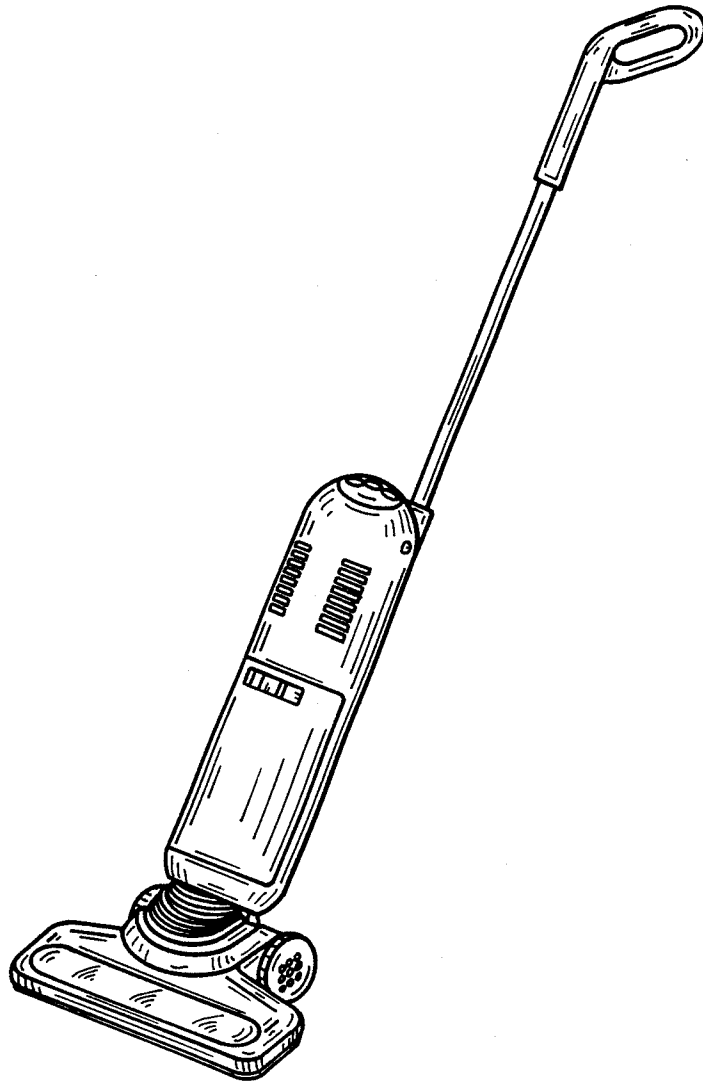
[57] CLAIM

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

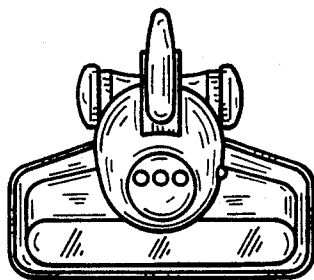
DESCRIPTION

FIG. 1 is a perspective view of the vacuum cleaner showing our new design;
FIG. 2 is a front elevational view thereof;
FIG. 3 is a rear elevational view thereof;
FIG. 4 is a right side elevational view thereof;
FIG. 5 is a left side elevational view thereof;
FIG. 6 is a top plan view thereof; and
FIG. 7 is a bottom plan view thereof.

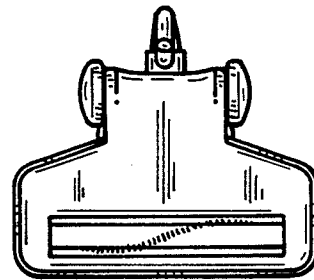




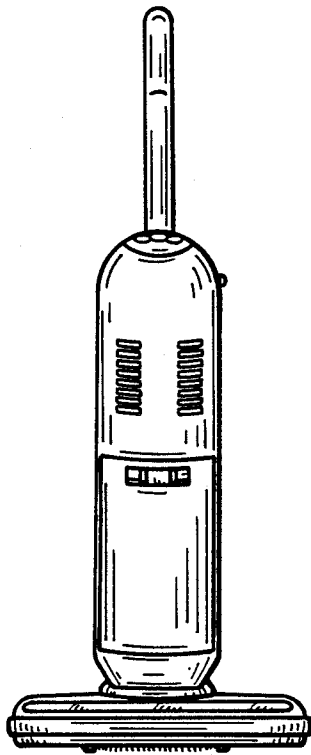
FIG_1



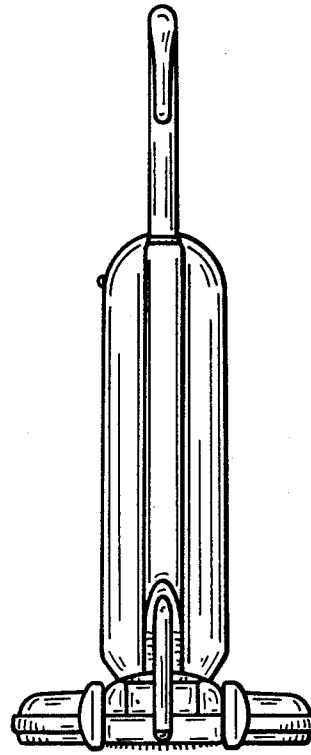
FIG_6



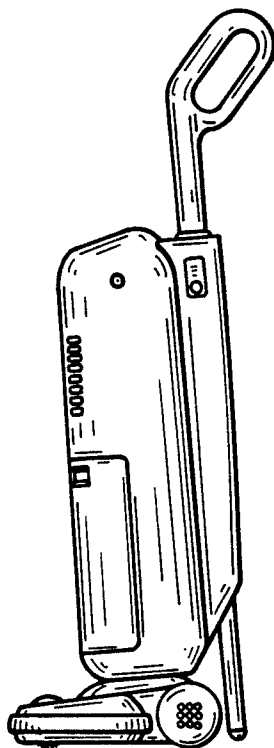
FIG_7



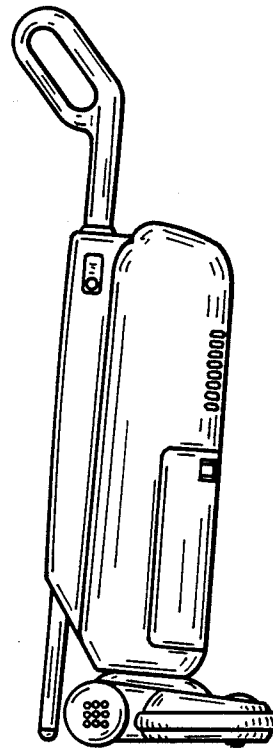
FIG_2



FIG_3



FIG_4



FIG_5