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**Bradbury et al.**

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(54) **FLOOR CLEANING DEVICE HAVING A DUST BIN AND A PANEL FOR HOLDING A CLEANING SHEET PROXIMATE THERETO**

(58) **Field of Classification Search**  
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A47L 13/52; A47L 11/33; A47L 11/4013;  
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See application file for complete search history.

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(\*) Notice: Subject to any disclaimer, the term of this  
patent is extended or adjusted under 35  
U.S.C. 154(b) by 83 days.

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**Related U.S. Application Data**

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(57) **ABSTRACT**

(51) **Int. Cl.**

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*A47L 13/20* (2006.01)

A foot for a device and a related device for cleaning a target surface and which can accept a sheet for contact with the target surface. The device also has a rotatable beater bar. The beater bar and sheet provide two cleaning modes for the device. The device has a foot which comprises a housing and forward lip for the beater bar and further has a sole plate for accepting the cleaning sheet. The lip and proximate edge of the sole plate are in spaced in relationship to each other. The proper spacing between the portion of the housing with the beater and sole plate holding the sheet, provides for improved dual mode cleaning performance. The cleaning system may be used to clean hard surfaces, such as a floor.

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

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**20 Claims, 10 Drawing Sheets**

