



(12) **United States Patent**
Rosenstein et al.

(10) **Patent No.:** **US 9,408,515 B2**
(45) **Date of Patent:** **Aug. 9, 2016**

(54) **AUTONOMOUS COVERAGE ROBOT**

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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 43 days.

(21) Appl. No.: **14/587,723**

(22) Filed: **Dec. 31, 2014**

(65) **Prior Publication Data**

US 2015/0120128 A1 Apr. 30, 2015

Related U.S. Application Data

(63) Continuation of application No. 13/790,867, filed on Mar. 8, 2013, now Pat. No. 8,972,061.

(60) Provisional application No. 61/721,912, filed on Nov. 2, 2012.

(51) **Int. Cl.**

A47L 11/40 (2006.01)
G05D 1/02 (2006.01)

(Continued)

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

CPC **A47L 11/4011** (2013.01); **A47L 9/2826** (2013.01); **A47L 9/2852** (2013.01);
(Continued)

(58) **Field of Classification Search**

CPC ... Y10S 901/01; Y10S 901/47; Y10S 901/46;
G05D 1/0242; G05D 2201/0203; G05D 2201/0215; G05D 1/0251; G05D 1/0246;
B25J 9/0003; B25J 9/1697; B25J 5/007;

B25J 19/023; B25J 11/0085; A47L 2201/04;
A47L 2201/00; A47L 11/4011; A47L 9/2826;
A47L 11/4061; A47L 9/2852; G06K 9/00664;
G06T 7/00; G06T 7/408; G06T 7/0081;
G06T 7/2033; G06T 7/602; G06T 2207/10021; G06T 2207/10028; G06T 2207/10048

USPC 700/250, 253, 255, 258, 259
See application file for complete search history.

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(57) **ABSTRACT**

A mobile floor cleaning robot includes identifying, using a controller, a location of an object on a floor surface away from the robot, and issuing a first drive command from the controller to a drive system of the robot to drive the robot across the floor surface to clean the floor surface at the identified location of the object. The method also includes determining whether the object persists on the floor surface, and when the object persists, driving across the floor surface to re-clean the floor surface at the identified location of the object.

20 Claims, 17 Drawing Sheets

