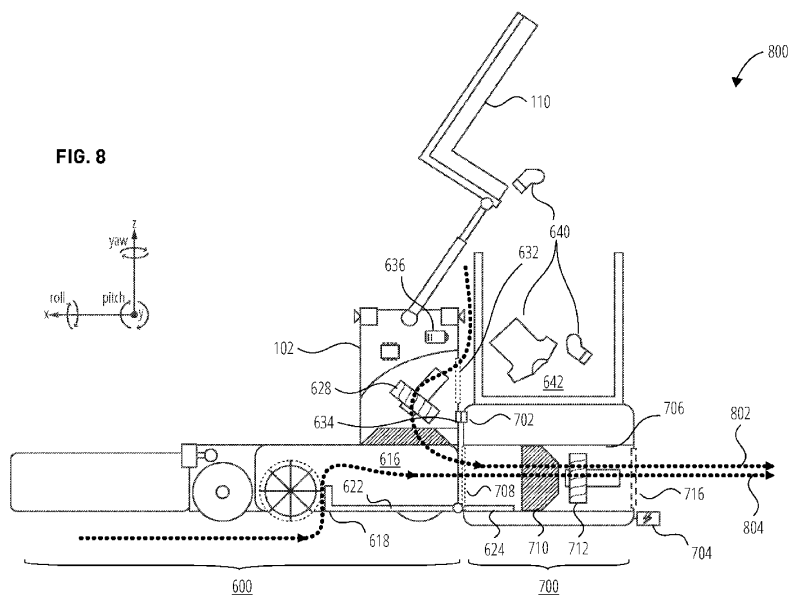




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- (71) Applicant: **CLUTTERBOT, INC.** [US/US]; 2093 Philadelphia Pike #1348, Claymont, DE 19703 (US).
- (72) Inventor: **HAMILTON, Justin**; Wellington, 5016 (NZ).
- (74) Agent: **AUERBACH, Robert**; 431 H Street, Crescent City, CA 95531 (US).
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(54) Title: ROBOT VACUUM SYSTEM WITH A SCOOP AND PUSHER ARMS



(57) Abstract: A tidying robot system is disclosed that includes a robot capable of moving aside or picking up and redepositing objects that obstruct areas the robot intends to vacuum. The robot includes a chassis (102), a robot vacuum system with a vacuum generating assembly and a dirt collector (622), a scoop (110), pusher pad arms (118) with pusher pads (116), a robot charge connector, mobility system, a battery, a processor, and a memory storing instructions that, when executed by the processor, allow operation and control of the robot. The tidying robot system also includes a base station (700) with a base station charge connector configured to couple with the robot charge connector. The tidying robot system also includes a robotic control system in at least one of the robot and a cloud server. The tidying robot system also includes logic to implement the operations and methods disclosed.

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Declarations under Rule 4.17:

- *as to the identity of the inventor (Rule 4.17(i))*
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