

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2023/0230863 A1 MIYAMOTO et al.

Jul. 20, 2023 (43) **Pub. Date:**

(54) SUBSTRATE CONVEYANCE METHOD, SUBSTRATE PROCESSING DEVICE, AND RECORDING MEDIUM

- (71) Applicant: EBARA CORPORATION, Tokyo (JP)
- (72) Inventors: MATSUTARO MIYAMOTO, Tokyo (JP); RYUICHI KOSUGE, Tokyo (JP); MASUMI NISHIJIMA, Tokyo (JP)
- (73) Assignee: EBARA CORPORATION, Tokyo (JP)
- Appl. No.: 18/079,876
- (22)Filed: Dec. 13, 2022

(30)Foreign Application Priority Data

Jan. 19, 2022 (JP) 2022-006084

Publication Classification

(51) Int. Cl. H01L 21/67 (2006.01)

U.S. Cl. (52)CPC H01L 21/67259 (2013.01)

(57)ABSTRACT

A substrate conveyance method, a substrate processing device, and a recording medium are provided. The substrate conveyance method includes: conveying a substrate into a receiving unit and confirming that the substrate is present in the receiving unit by detecting that light irradiated from an optical sensor is blocked by the substrate conveyed to the receiving unit; and stopping light irradiation from the optical sensor before the substrate is conveyed out from the receiving unit.

