

Title (en)

SUBSTRATE TRAY TRANSFER SYSTEM FOR SUBSTRATE PROCESS EQUIPMENT

Title (de)

SUBSTRATSCHALENTRANSFERSYSTEM FÜR EINE SUBSTRATVERARBEITUNGSANSTALT

Title (fr)

SYSTÈME DE TRANSFERT DE PLATEAU DE SUBSTRAT POUR ÉQUIPEMENT DE TRAITEMENT DE SUBSTRAT

Publication

EP 4122005 A4 20240529 (EN)

Application

EP 20925671 A 20200326

Priority

- US 202062992690 P 20200320
- US 2020024947 W 20200326

Abstract (en)

[origin: WO2021188122A1] A method and apparatus for a transfer robot for a substrate processing system is provided that includes a transfer chamber coupled to a plurality of processing chambers. The transfer chamber comprises a transfer robot comprising a base coupled to a support stem, and a tray cassette fixed to the base, wherein the tray cassette comprises a first tray carrier for holding and transferring a first tray from the tray cassette to a susceptor in one of the plurality of processing chambers and a second tray carrier stacked on the first tray carrier, the second tray carrier for holding a second tray, wherein each of the first tray carrier and the second tray carrier includes a plurality of friction reducing devices.

IPC 8 full level

H01L 21/67 (2006.01); **H01L 21/673** (2006.01); **H01L 21/677** (2006.01); **H01L 21/687** (2006.01)

CPC (source: EP KR)

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Citation (search report)

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- [YA] US 6106631 A 20000822 - INOUE NAOTO [JP], et al
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- See also references of WO 2021188122A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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