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The Director

of the United States Patent and Trademark Office has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this United States

Patent

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Katherine Kelly Vidal

DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE



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

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(54) **METHOD AND APPARATUS FOR IC UNIT SINGULATION AND SORTING**

USPC 209/606
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 0 days.

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B65G 47/90 (2006.01)
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- (58) **Field of Classification Search**
CPC H01L 21/67271; B07C 5/02; B07C 5/34; B07C 5/361; B07C 5/362; B07C 5/38; B65G 47/90; B65G 2203/00

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(57) **ABSTRACT**

A unit sorting system comprising: a net table for receiving units and a unit lifter for depositing said units on the net table; the net table having a first and second zone; wherein the unit lifter is arranged to engage a batch of units and then deposit a first half of the batch to the first zone and deposit a first half of the batch to the second zone.

3 Claims, 13 Drawing Sheets

