



【發明摘要】

【中文發明名稱】開蓋部件、開蓋裝置與抽取系統

【英文發明名稱】LID OPENING COMPONENT, LID OPENING DEVICE AND
SUCTION SYSTEM

【中文】

本案揭露一種開蓋部件、開蓋裝置與抽取系統。所述抽取系統包括開蓋裝置與抽取組件，其中開蓋裝置包括對位組件與具有開蓋部件之開蓋組件，其中開蓋部件包括針柱架、複數個無動力針柱與傳動件。所述抽取系統可透過開蓋裝置的對位組件以辨識桶身及其蓋體的位置，接著，開蓋組件的開蓋部件透過無動力針柱貼合蓋體表面後可旋轉開啟蓋體，最後，抽取組件移動到桶身的開口處以抽取桶身裝載的內容物。

【英文】

A lid opening component, a lid opening device and a suction system are illustrated, and the suction system has the lid opening device and a suction assembly. The lid opening device has an aligner component and a lid opening assembly with the lid opening component, wherein the lid opening component includes a needle holder, the multiple unpowered needles and a driver part. The suction system recognizes the position of the container and its lid by the aligner component of the lid opening device. Further, after the multiple unpowered needles of the lid opening component fit on the surface of the lid, the lid can be opened by a rotation of the lid opening assembly.

Finally, the suction assembly is moved to the opening of the container to suck the content in the container.

【指定代表圖】 圖3A

【代表圖之符號簡單說明】

1：抽取系統

3：開蓋組件

301：開蓋部件

302：螺桿

4：抽取組件

401：對位組件

402：移動件