

Title (en)  
TRANSPORT MODULE WITH LATCHING DOOR

Title (de)  
TRANSPORTMODUL MIT TÜRVERRIEGELUNG

Title (fr)  
MODULE DE TRANSPORT A VOLET DE BLOCAGE

Publication  
**EP 1218264 A1 20020703 (EN)**

Application  
**EP 00950296 A 20000706**

Priority  
• US 0018511 W 20000706  
• US 14283199 P 19990708

Abstract (en)  
[origin: WO0104022A1] A wafer container with door receiving frame and a door sized therefor. The door (94) includes latching linkages (250, 252) that extend, lift, lower and retract latching portions from the door and into and out of latch receptacles (150) in the door frame. Each latching mechanism utilizes a sliding plate (210) with a connected handle (170, 172) exposed on the front of the door. The sliding plate has lifting linkages (220, 222) cooperating with the latching linkages. Moving the handles extends the latching portions into the latching receptacles. By way of a ramped surface (226) and follower surface (277) on the overlapping linkages, the latching portions then move in a direction normal to the first direction to pull the door inwardly and seal the door to the container. The sliding plate includes a rack portion (224) engaged with a pinion (290). The pinion is accessible from the door front by a latch key (300).

IPC 1-7  
**B65D 85/90**

IPC 8 full level  
**H01L 21/00** (2006.01); **H01L 21/673** (2006.01)

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