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(57) Abstract :

The present disclosure provides a movable port (100) comprising one of more tracks (102), rigidly attached to the perimeter of housing of a rechargeable electronic device. The one or more tracks (102) are configured to support a movable assembly (104) comprising a frame coupled to a socket (106), further coupled to the one or more tracks (102), configured to accommodate a connector of an external cable and provide transfer of a set of signals between the electronic device and an external device through the external cable, the set of signals including electric power. The movable assembly (104) comprises a mechanical actuator (108) coupled to the one or more tracks (102) and the frame (106) and enabled to slide along the one or more tracks bidirectionally. Translational motion of the mechanical actuator (108) is configured to engage/disengage the first set of teeth attached to the frame (106) and the second set of teeth attached to the one or more tracks (102).

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