ABSTRACT

AUTO STEVEDORE ROBOTIC CELL

A robotic system is hereby disclosed, that can locate, identify, and engage INTER-BOX CONNECTORS (IBC) positioned in a random order, and the said robotic system to complement a freight container handling sequence that negates a purpose built cradle for engaging said IBCs. This application teaches to bypass the intermediate cradle, and suggests that the corner-less chassis to function as a platform for IBC fixing/unfixing without human labour, achieved by a remote robotic station that employs electronic means of engaging said IBCs, thus streamlining dock operations and time freed up for quay cranes and in the overall reducing the absolute number of lifting tasks, thus reducing costs and also contributing to a safer workplace.

NO ILLUSTRATION – REFER TO DRAWINGS, FIGURE 1