

HIGH SPEED DIVERTER

ABSTRACT

A diverter assembly for handling articles transported on a conveying surface is disclosed. The diverter assembly includes at least one diverter arm and a motor coupled to a drive arrangement for swinging the diverter arm over the conveying surface. An inverter controller is provided for operating the motor at a plurality of speeds. A sensor arrangement is coupled to the inverter controller for monitoring the position of the diverter arm. The sensor arrangement sends a slow-down signal to the inverter controller when the diverter arm reaches a pre-determined position, causing the inverter controller to operate the motor at a slower speed.

Fig. 1a