

ABSTRACT

CONVEYOR SYSTEM WITH INCORPORATED TEMPERATURE CONTROL

- 5 A conveyor system, for the transport of items requiring temperature control, the conveyor system including a conveyor, a channel guide mounted within the conveyor, at least one temperature control device forming part of the conveyor and being for the control of temperature and an electrical circuit. The electrical circuit includes an electrical circuit box connected to at least one temperature control
- 10 device, a plurality of electrical connectors mounted on the electric circuit box, at least one electrical contact strip mounted within the channel guide and extending longitudinally along the channel guide; and an electrical connection for connecting the plurality of electrical connectors to the at least one temperature control device.
- 15 A segment for use in the conveyor system may include a convex front surface of a first radius and a concave rear surface of a second radius. The first and second radii may be substantially the same to enable a front surface of a first container to mate with a rear surface of an adjacent second container. The inner wall of the segment may be of a first height, the outer wall of the segment may be of a second height. The first height may be greater than the second height. The segment may
- 20 have a base and an open top.

Figure 3