

FOLDING DOOR SYSTEM

ABSTRACT

A folding door system includes a plurality of door panels inter-coupled for operating between a folded state and an unfolded state. A hinging means for coupling a first panel to a door frame is used for rotational displacement of the first panel about a first axis. A track is coupled adjacent to a bottom surface of a top portion of the door frame to define a path along a second axis. The second axis is substantially perpendicular to the first axis. A roller carrier is configured with the track for travel along the path and a support structure is further detachably coupled to the roller carrier. The support structure includes a separator to enable a second panel to be rotatable about a third axis. The third axis provides unimpeded movements of the plurality of door panels for operating between a folded state and an unfolded state.

FIG. 1