

BAGGAGE PUSHER DEVICE, SYSTEM AND METHOD OF USE

Abstract of the Disclosure

A baggage pusher device for pushing baggage off a moving conveyor comprises a pusher cam with a pusher surface, a shaft supporting and rotating the pusher cam in a generally horizontal plane, a motor assembly and a frame to support at least the shaft. The pusher surface follows the Archimedes spiral function so that baggage contacting the pushing surface at any point therealong sees the same velocity. Control of the velocity assures that the baggage will not be damaged by high speed contact with the pushing device. The motor assembly utilizes a servo control with flux vector technology for quiet motor operation and smooth pusher device acceleration and deceleration.

Figure 1

This Sheet Has Been Replaced

