Abstract

Automatic document feeder

This invention involves an automatic document feeder composed of a transparent sliding platform (1), side guides (3), longitudinal guides (7) and a horizontal guide (2), a system of springs (9), a controller (22), a linear actuator (4), a protection bar (12), a rigid part (11), a set of bushings, bearings (20), document detection and motion sensors, (13) and an end position sensor (10), a linear spring (14), a bobbin (5) and a motor (6). The invention can be adapted to all types of document reader (21) and reads flat and bulky documents alike.

The invention also includes the operating method of the automatic document feeder.

[Figure 1]