# Fully Automated Electrostatic Page Turning Technique & Device For Document Scanning

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## ABSTRACT

Present invention relates to a FULLY AUTOMATED ELECTROSTATIC PAGE TURNING TECHNIQUE & DEVICE FOR DOCUMENT SCANNING, the said data output device comprising of an input surface adapted to be locally exposed to electromagnetic radiation, a sensor means disposed above or below the input surface for detecting the status, characteristics, and properties of the material on the input surface and for outputting an output signal representing said features, and an evaluating means for evaluating the output signal of the sensor means, and iterating over the process by changing the material by means of an external force, either physical, electrostatic, or electromagnetic, and a discharging unit to remove the residual charge buildup on the document.

## KEY APPLICATION AREAS

1.Automated document scanning.
2.Book digitization and archival.
3.Library and archive automation.
4.Document imaging systems.
5.Assistive reading technologies.
6.Currency handling and counting.

## POTENTIAL USES

1.Fully automated page turning for bound books.
2.Non-destructive scanning of fragile manuscripts and books.
3.High-throughput digitization with minimal human intervention.
4.Automated book reading for visually impaired users.

5.Automated currency note counting.
6.Large-scale document preservation and digital archiving.