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(54) **Idea and execution of electric electronic device showing the soras of qur'an illuminated and printed on semi-transparent plastic roller**

(57) The innovation required to be protected consists of automatic electronic device projecting the pages of Holly Koran in front of the reader upon request without manual touching.

The Koran pages are illuminated to demonstrate clarity and beauty and ease of reading Koranic page in front of the reader is adjustable to be comfortable for eyes, and to increase the vision clarity of the words of GLORIOUS ALLAH in order to help the reader to read

Holly Koran peacefully and reverently. Changing of Holly Koran pages, movement to the required Koran sora is done automatically and electronically through control panel by gentle touch of certain button leads to move a plastic file (on its surface the entire pages of Holly Koran are printed) from side to side and vice versa. In order to show the pages of Holly Koran in front of the reader according his demand in sequence button of page flip is to be gently pushed. It is possible to move directly to the required sora by pushing the respective button.

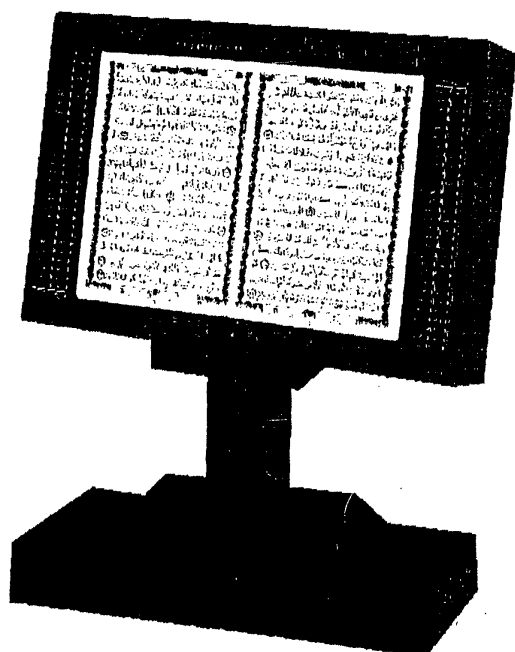


FIG 6

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Description

[0001] At present the reader of Holly Koran using the printed copy of Koran in shape of paper book, most often the reader needs a light source and to put the Holly Koran on incline wooden support in front of him to make vision and reading easy.

[0002] In case the reader reads from the holly Koran directly during prayer (as the night performance prayer, night devotion, Ramadan night prayer) he is obliged to flip pages of the Holly Koran, and that lead the reader to perform several motions take him away of his prayer and may sometimes void the prayer in addition to eye exhaust in case the illumination and inclination angel are unsuitable to the reader.

TECHNICAL DESCRIPTION OF INNOVATION

[0003] The new device required to be manufactured and the patent of the same required to be registered uses printed Koran on semi-transparent plastic file, on which pages of Holly Koran are printed at the same locations and with the same sequence maintaining the page numbers. This semi-transparent plastic file ensures self illumination of the Holly Koran pages by the device where reading is possible without need to external illumination source, so this device provides oblique projection of Holly Koran pages in such the reader determines the suitable inclination angel and illumination.

[0004] The intended device enables the reader to move from page to another or vice versa automatically and electronically by pushing a button on the device (optional remote button can be available) that enables the reader to flip the Holly Koran pages whenever he wants.

[0005] The intended device is characterized with possibility to move to required sora directly and automatically by pushing a button on the device to show the sora required for reading.

SHORT DESCRIPTION OF THE DRAWINGS

[0006]

Fig 1 shows the transmission bridge situated on the motor shaft.

Fig. 2 shows the transmission bridge engaged with the left roller gear during left rotation.

Fig 3. shows the transmission bridge engaged with the right roller gear during right rotation.

Fig. 4 shows the roller holders and the roll.

Fig. 5 shows a top view at the mechanical drive.

Figs. 6, 7 and 8 show a view of the product, a front view and a side view, respectively.

ELECTRICAL AND ELECTRONIC CONTROL OF THE DEVICE

[0007] When the operator pushes the button adjacent to the required Sura, the electronic processor studies the device current situation and the position required by the operator. It commands the power supply circuits to drive the motor in appropriate to the roller motion towards the new position.

[0008] The photocell reads the count of the signals passes in front of it during the roller motion. So it can read the page number that is moving in front of the display and determines the current position, it continues in motion till the required position is reached.

[0009] The operator can use the button on the device front panel to move the wrapper from the current position to the next position flipping two pages, he can also use remote unit about 2-5 m apart from the device to perform the same operation.

TRANSMISSION MECHANICAL MECHANISM

[0010] We have a transmission bridge situated on the motor shaft (Fig. 1). It works as follows:

[0011] When the motor rotates to the left the entire bridge rotates to left, this leads to engagement between the bridge left gear with left roller gear, simultaneously it gets far from the right roller gear. So rotation of the motor leads to the rotation of left roller gear to move the roller from the right roller mount to the left roller mount (Fig. 2).

[0012] When the motor rotates to the right the transmission bridge rotates to the right and engages with right roller gear getting far from the left roller gear leaving the later free.

[0013] With this the roller moves from the roller left mount to the roller right mount (Fig. 3).

ROLLER TRANSFER MECHANISM

[0014] When the operator desires to read certain Sura, he gently pushes the corresponding button to the required Sura The roller holder (Fig. 4) rotates drawing the roll in the appropriate direction, consequently the Koran pages are displayed in front of the reader (through frontal opening of 42 x 32 cm on the screen) (Fig. 5). The roll stops at the beginning of the required Sura showing the reader the first two pages of the Sura, when the reader finishes the first two pages and wishes to continue he pushes the button at the device front panel or in the remote control unit, the device transfer to show the next two pages and so on... ..

[0015] The device is provided with fluorescent illumination behind the reading area of the roller in order to make reading clearer and easier (Figs. 6, 7, 8).

CONCLUSION OF THE INNOVATION

[0016] The innovation required to be protected consists of automatic electronic device projecting the pages of Holly Koran in front of the reader upon request without manual touching. 5

[0017] The Koran pages are illuminated to demonstrate clarity and beauty and ease of reading Koranic page in front of the reader is adjustable to be comfortable for eyes, and to increase the vision clarity of the words of GLORIOUS ALLAH in order to help the reader to read Holly Koran peacefully and reverently. Changing of Holly Koran pages, movement to the required Koran sora is done automatically and electronically through control panel by gentle touch of certain button leads to move a plastic file (on its surface the entire pages of Holly Koran are printed) from side to side and vice versa. In order to show the pages of Holly Koran in front of the reader according his demand in sequence button of page flip is to be gently pushed. It is possible to move directly to the required sora by pushing the respective button. 10 15 20

Claims

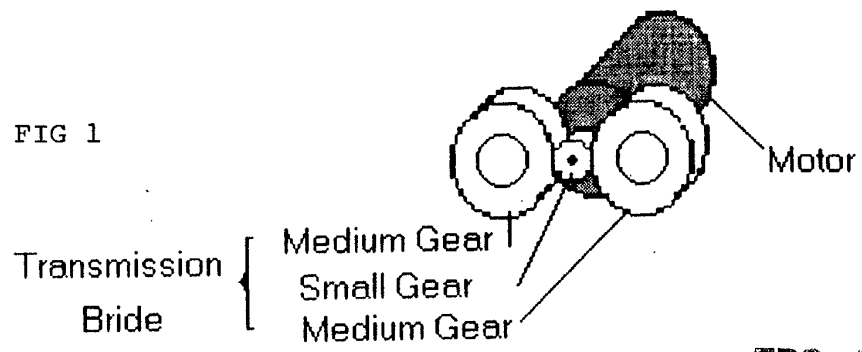
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1. Protection of the idea, design and production of the device of projection of Holly Koran pages illuminated in front of the reader in order to show the clarity and beauty Koranic verses with pages printed at their original location in Holly Koran in order to help the reader to read Koran peacefully and reverently. Changing of Holly Koran page, movement to the required Koran sora is done automatically and electronically through control panel. 30 35

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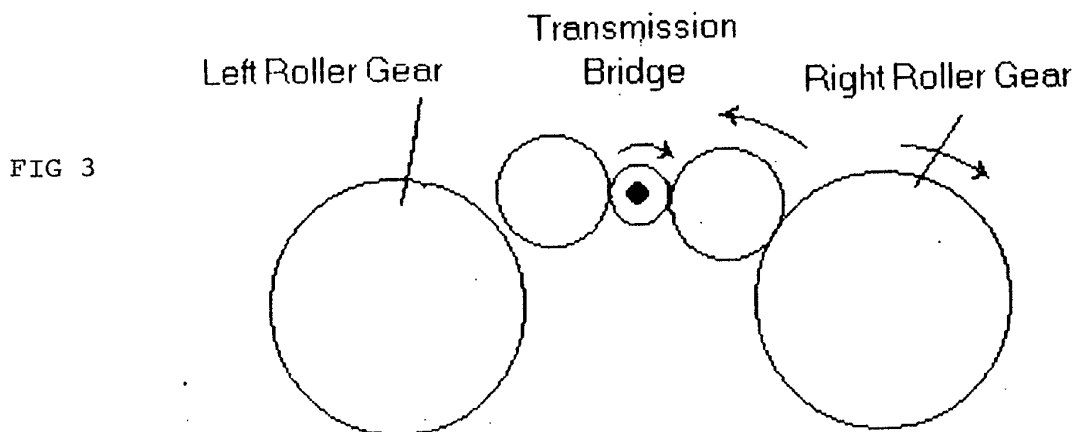
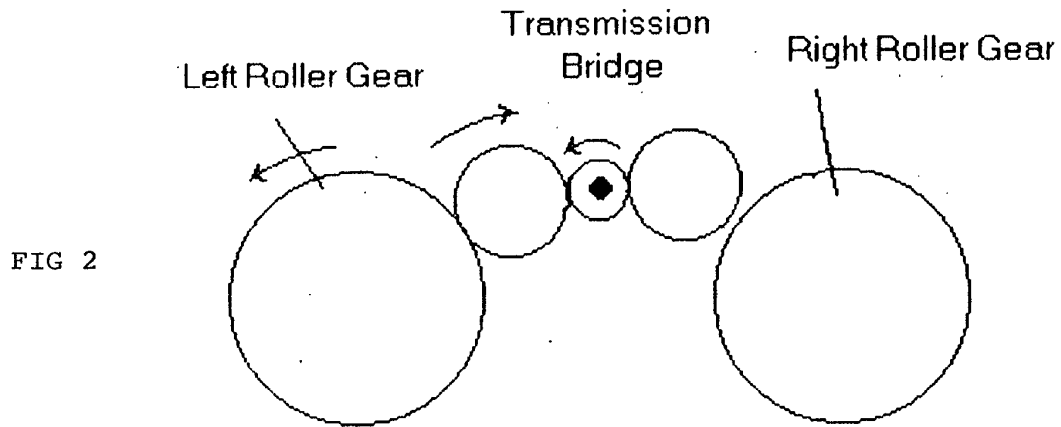


FIG 4

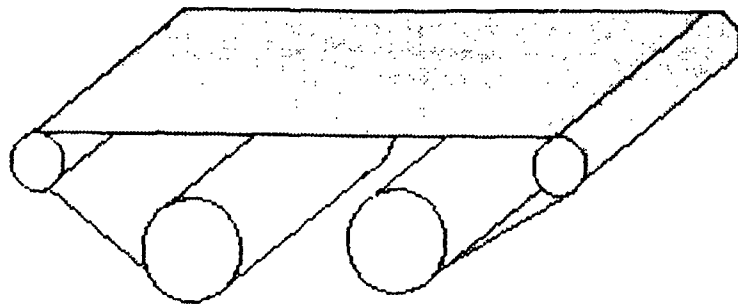
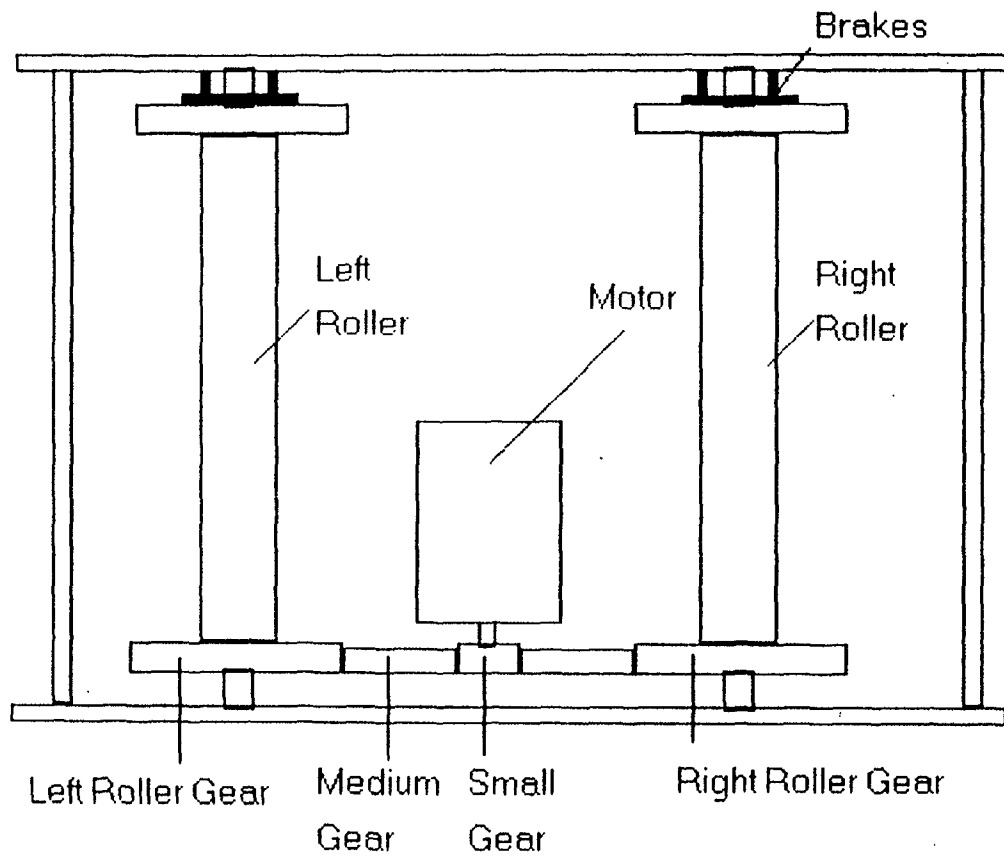


FIG 5



Mechanical Drive Diagram

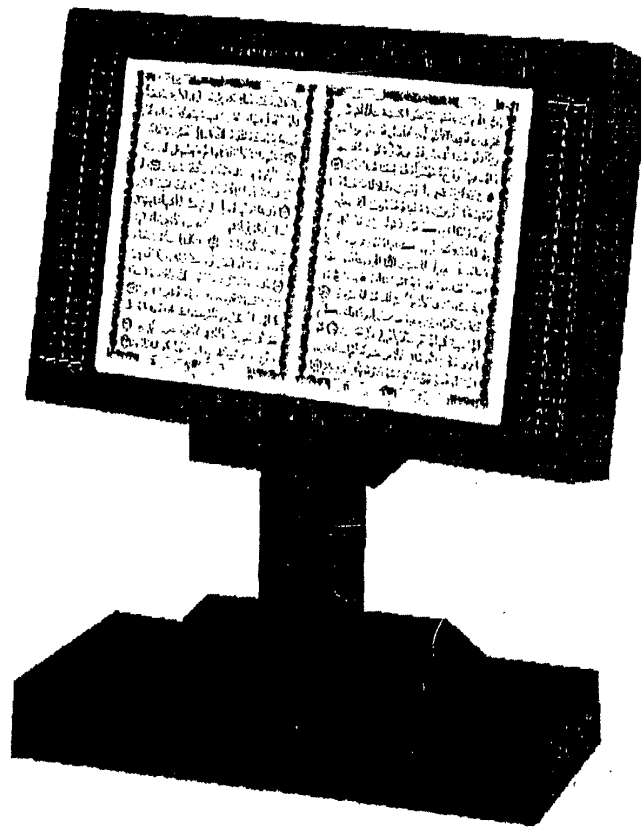
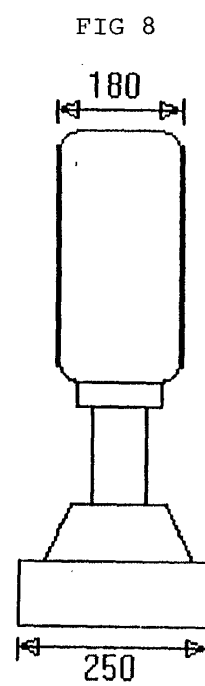
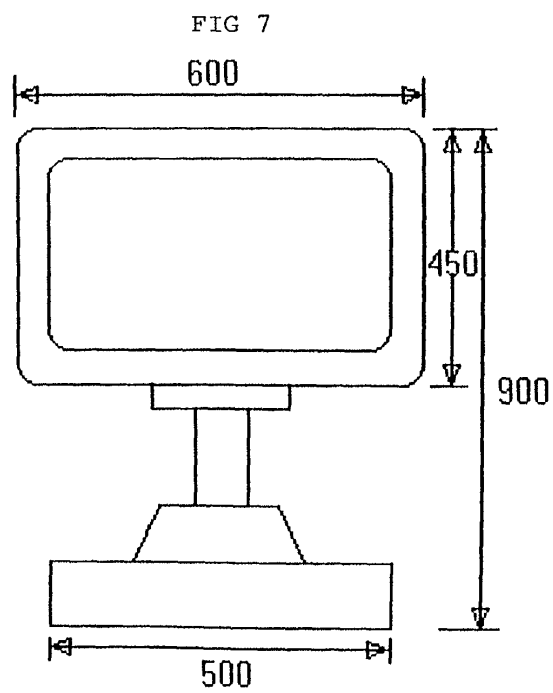


FIG 6





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EUROPEAN SEARCH REPORT

Application Number
EP 02 07 7334

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 6 178 674 B1 (DECAUX JEAN-CHARLES ET AL) 30 January 2001 (2001-01-30) * column 2, line 36 - column 4, line 23; figures 1-4 *	1	B42D19/00
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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			B42D
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		10 December 2002	Evans, A
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 02 07 7334

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The members are as contained in the European Patent Office EDP file on
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