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United States Patent [19]
Eisenberg et al.

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[45] **Date of Patent: ** Dec. 26, 2000**

[54] **HANDHELD INTERROGATOR**

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[**] Term: **14 Years**

[21] Appl. No.: **29/117,015**

[22] Filed: **Jan. 14, 2000**

[51] **LOC (7) Cl. 14-02**

[52] **U.S. Cl. D14/428**

[58] **Field of Search D14/420-31; D19/41-51;**
235/375, 378, 385, 454, 462.15, 472.02,
486; 382/312-15, 321, 318-19; 250/203.1,
216, 566; D26/37, 45, 50

[56] **References Cited**

U.S. PATENT DOCUMENTS

D. 307,138 4/1990 Knowles .
D. 352,937 11/1994 Karlin .
D. 362,435 9/1995 Charych et al. .
D. 377,347 1/1997 Karlin .
D. 400,199 10/1998 Fitch et al. .
D. 414,171 9/1999 Swift et al. .
5,280,159 1/1994 Schultz et al. 231/382

FOREIGN PATENT DOCUMENTS

0 987 646 A2 3/2000 European Pat. Off. G06K 7/08

OTHER PUBLICATIONS

3 pgs regarding Trovan Readers from internet site www.trovan.com/readers.httr printed Jun. 12, 2000.

2 pgs. regarding IDENTEC i-COM handheld interrogator from internet site www.identec.com/systemcomponents.htm printed Jun. 12, 2000.

1 pg. regarding IR-100E: Portable Reader from internet site www.motorola.com/LMPS/Indala/ir-100e.httr printed Jun. 12, 2000.

3 pgs. regarding Spider RFID from internet site www.wirelessmountain.com/spiderreader.httr printed Jun. 12, 2000.

2 pgs. regarding Performa™ Portable Reader from internet site www.checkpointsystems.com/rfid/retperf.htm printed Jun. 12, 2000.

2 pgs. regarding Hand-Held Computer 5020 from internet site www.corp.intermec.com/products/5020.htm printed Jun. 12, 2000.

1 pg. regarding Portable RFID Readers from internet site www.stid.com/p_Portables_uk.httr printed Jun. 12, 2000.

2 pgs. regarding workabout from internet site www.enterprise.pson.com/public/products/workabouttrf.ht printed Jun. 12, 2000.

2 pgs. regarding Moby RFID Tag Reader from internet site www.enterprise.pson.com/public/3rdparty/3rdrfdisiemens.httr printed Jun. 12, 2000.

1 pg. regarding Portable RFID Blackroc from internet site www.blackroc.com/PORTABLE%20RFID.httr printed Jun. 12, 2000.

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[57]

CLAIM

The ornamental design for a handheld interrogator, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of the handheld interrogator showing our new design;

FIG. 2 is a front elevational view thereof, the rear view is a mirror image;

FIG. 3 is a top plan view thereof;

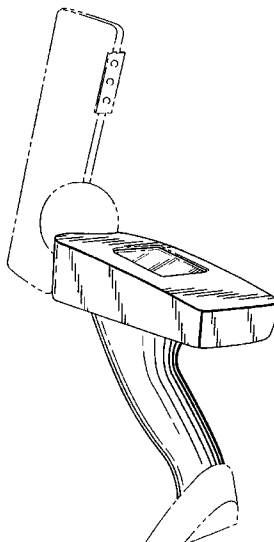
FIG. 4 is a bottom elevational view thereof;

FIG. 5 is a right side elevational view thereof; and,

FIG. 6 is a left side elevational view thereof.

The broken line drawing in all figure views is for illustrative purposes only, and forms no part of the claimed design.

1 Claim, 3 Drawing Sheets



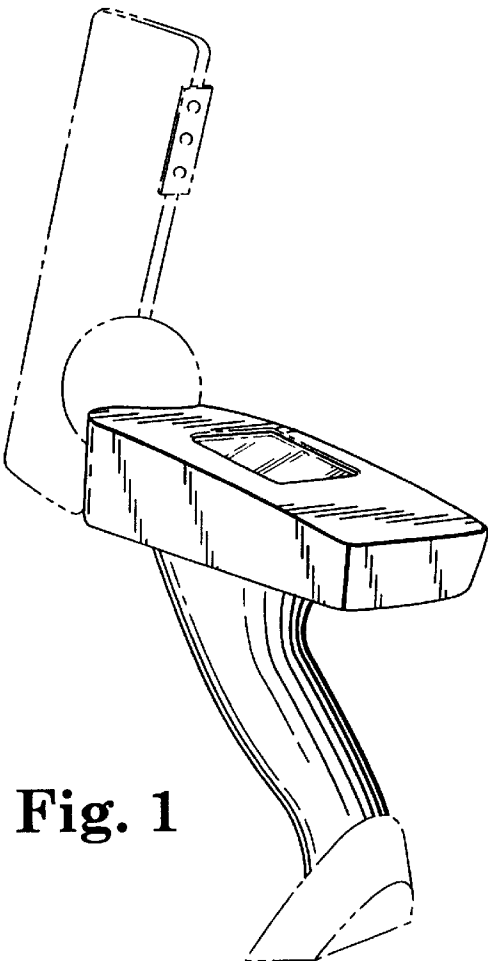


Fig. 1

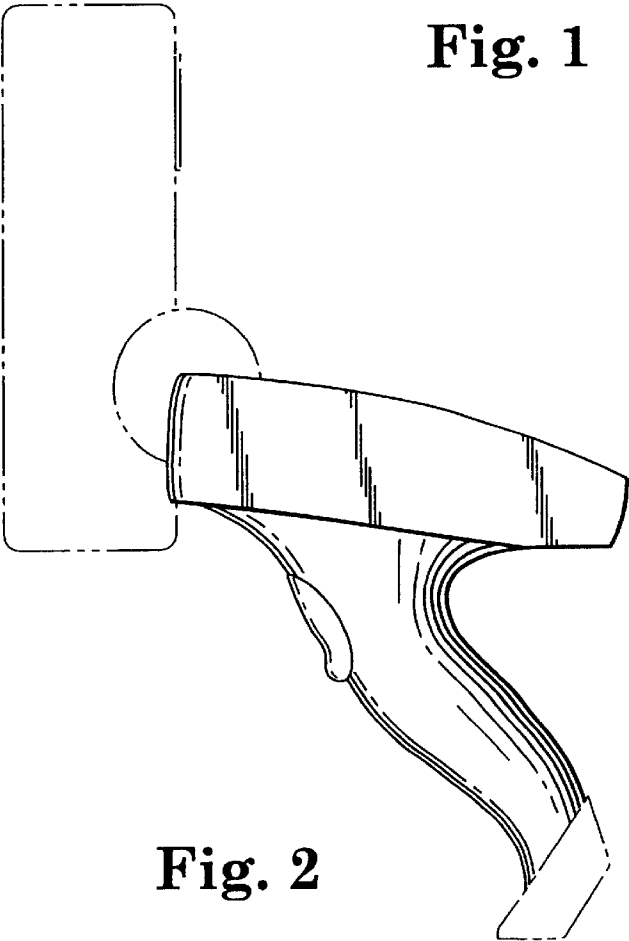


Fig. 2

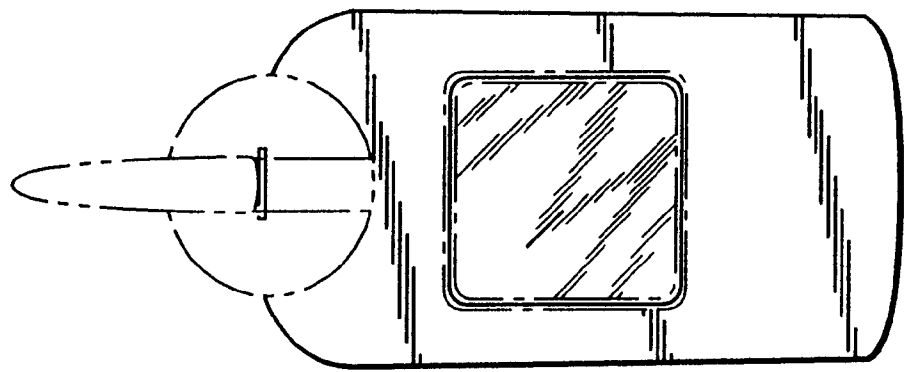


Fig. 3

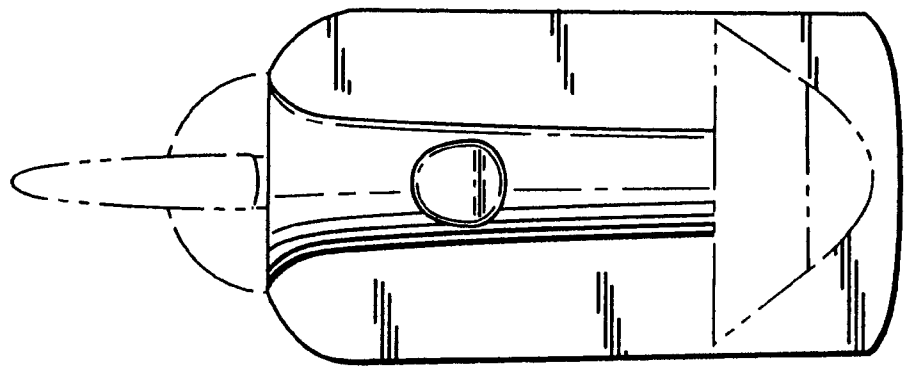


Fig. 4

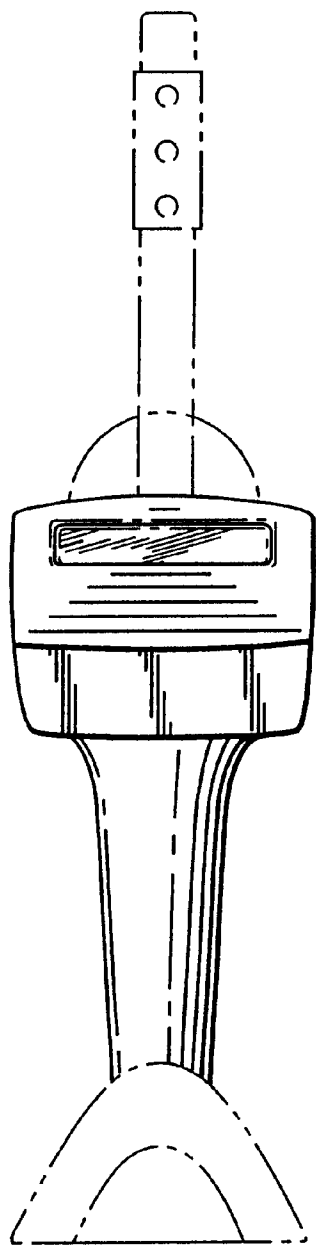


Fig. 5

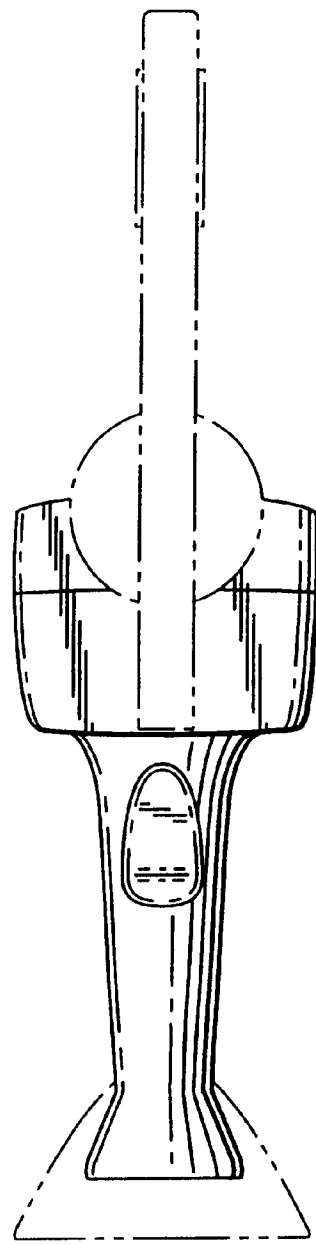


Fig. 6