The United States of America

The Director of the United States Patent and Trademark Office

Has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this

United States Patent

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If this application was filed on or after June 8, 1995, the term of this patent is twenty years from the U.S. filing date, subject to any statutory extension. If the application contains a specific reference to an earlier filed application or applications under 35 U.S.C. 120, 121 or 365(c), the term of the patent is twenty years from the date on which the earliest application was filed, subject to any statutory extensions.

Jon W. Dudas

Director of the United States Patent and Trademark Office

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US007455412B2

(12) **United States Patent**
Rottcher

(10) **Patent No.: US 7,455,412 B2**
(45) **Date of Patent: Nov. 25, 2008**

(54) **MIRROR HAVING A PORTION IN THE FORM OF AN INFORMATION PROVIDER**

(75) Inventor: **Oliver Rottcher**, Gottmadingen (DE)

(73) Assignee: **Mirror Image AG**, Steinach (CH)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/883,729**

(22) Filed: **Jun. 18, 2001**

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G03H 1/00 (2006.01)
G03B 21/56 (2006.01)
G02B 5/08 (2006.01)

(52) **U.S. Cl.** **359/839**; 359/1; 359/460; 359/445; 40/900

(58) **Field of Classification Search** 359/449, 359/460, 445, 443, 800–830, 35, 1, 119, 359/74, 838–839; 40/900; 345/24, 76; 348/748
See application file for complete search history.

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(57) **ABSTRACT**

In a mirror with a non-reflective portion provided within its reflective mirror surface as an information provider the portion is transparent and is backed by a display. The display has a moving image or has a colored image representation. Preferably at least one loudspeaker is connected to the display behind the mirror surface. That loudspeaker can also be connected to an input device.

11 Claims, 3 Drawing Sheets

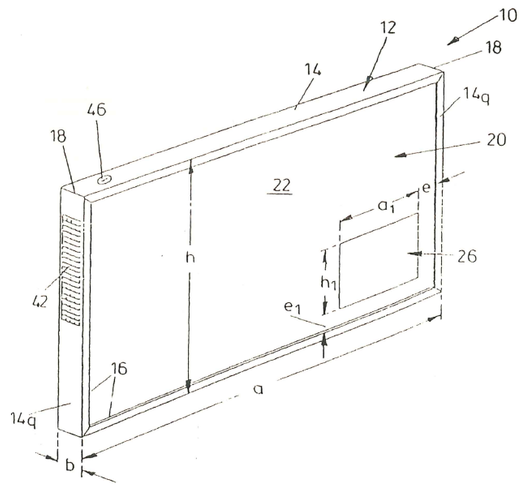

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Fig.1

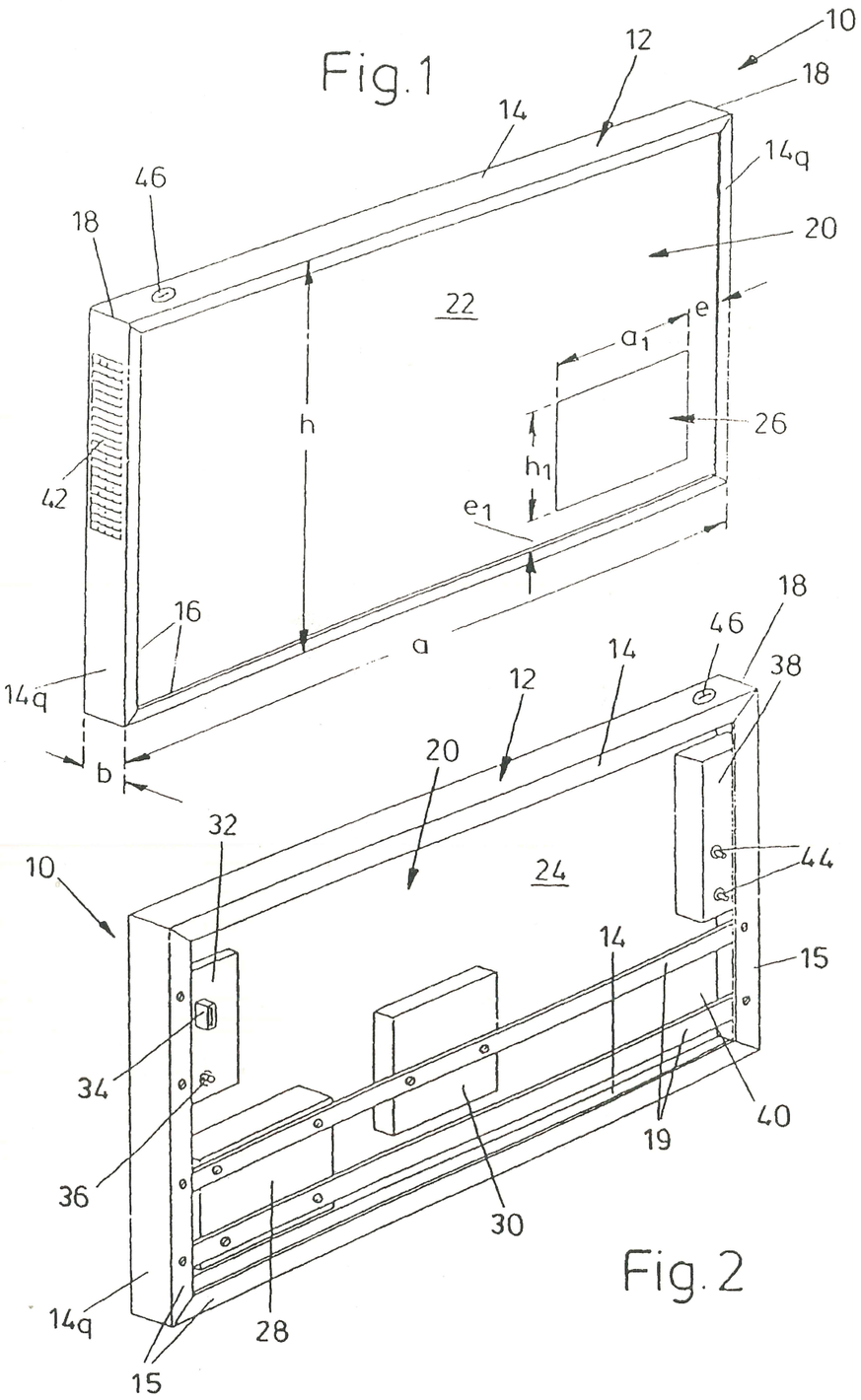
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Fig.2

Fig.3

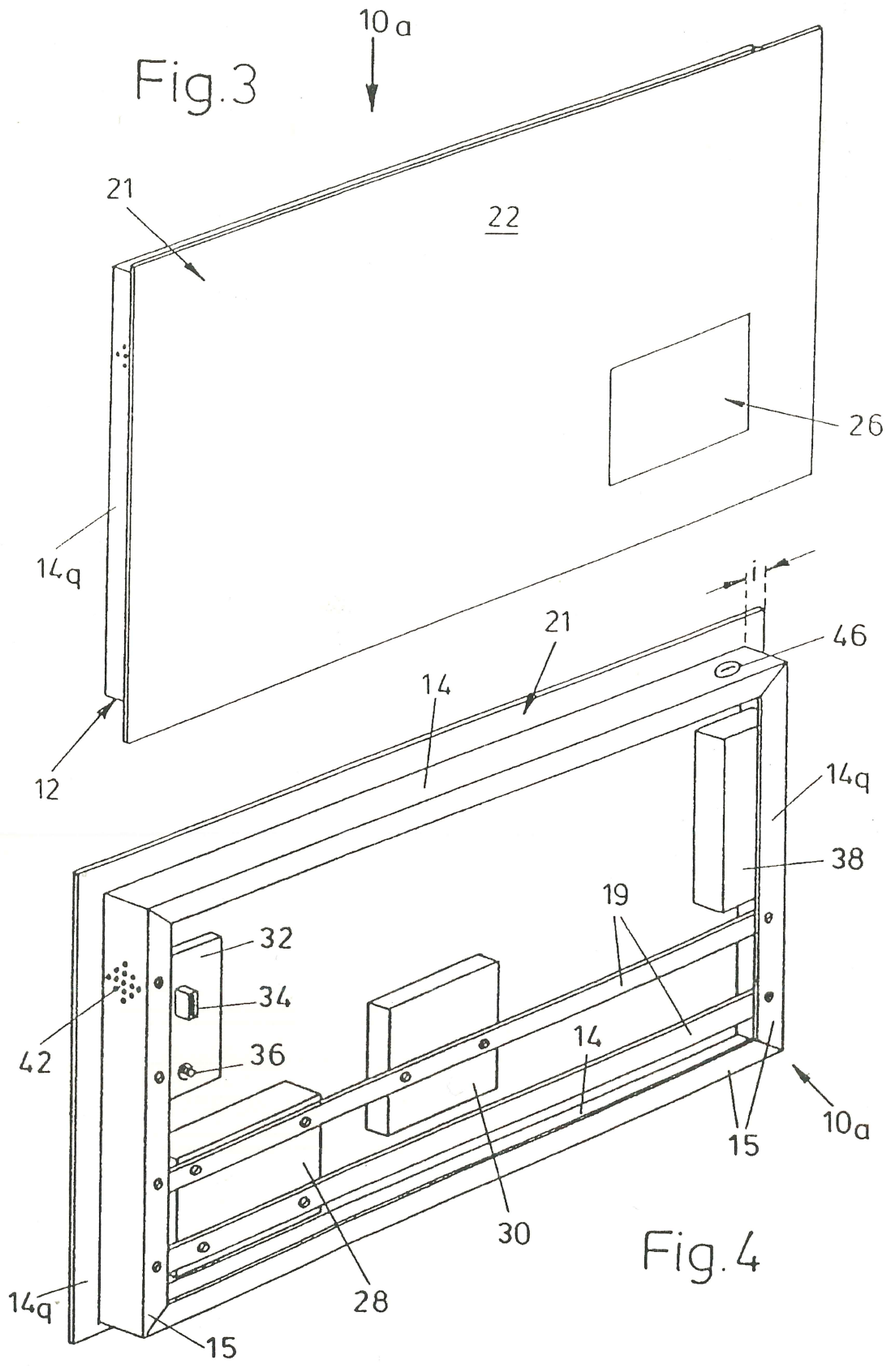
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Fig.4

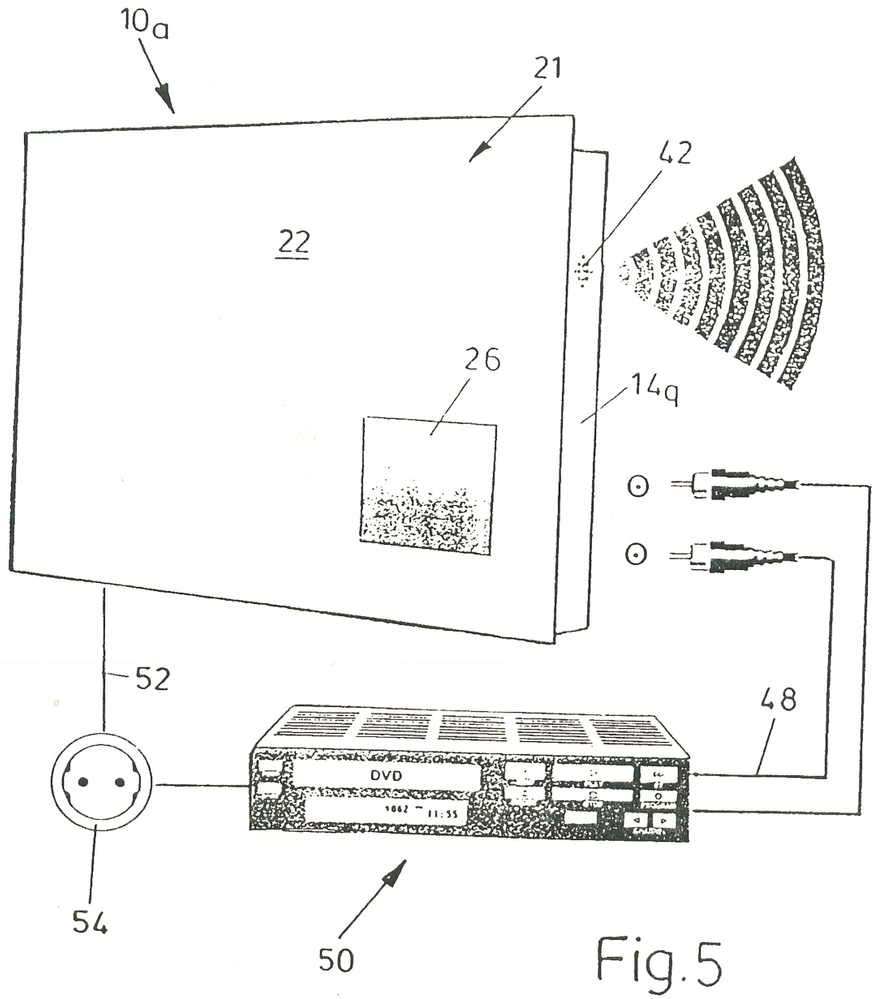

Fig.5