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Patent nach Nichtigkeitsverfahren beschränkt aufrechterhalten.

<p>(30) Unionspriorität:</p> <table><tr><td>298997</td><td>31.08.1994</td><td>US</td></tr><tr><td>312863</td><td>27.09.1994</td><td>US</td></tr><tr><td>369522</td><td>05.01.1995</td><td>US</td></tr><tr><td>424863</td><td>17.04.1995</td><td>US</td></tr><tr><td>475395</td><td>07.06.1995</td><td>US</td></tr></table> <p>(73) Patentinhaber: Rovi Guides, Inc. (n.d.Ges.d. Staates Delaware), Santa Clara, Calif., US</p>	298997	31.08.1994	US	312863	27.09.1994	US	369522	05.01.1995	US	424863	17.04.1995	US	475395	07.06.1995	US	<p>(74) Vertreter: Grosse, Schumacher, Knauer, von Hirschhausen, 80335 München, DE</p> <p>(72) Erfinder: Yuen, Henry C., Pasadena, CA 91102-0438, US; Kwoh, Daniel S., LaCanada/Flintridge, CA 91011, US; Mankovitz, Roy J, Calabasas, CA 91302, US; Leung, Elsie Y, Pasadena, CA 91102-0472, US</p>
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(54) Bezeichnung: **VERFAHREN UND VORRICHTUNG ZUM ANZEIGEN VON FERNSEHPROGRAMMEN UND
DAZUGEHÖRIGEM TEXT**

(57) Hauptanspruch: 1.0 A television entertainment system comprising:

- 1.1 a display (20) having a television screen;
- 1.2 recovering means in the form of a television tuner (11) for recovering currently broadcast video programs comprising video and audio information;
- 1.3 a source (22) of a schedule of program listings including listings for currently broadcast video programs;
- 1.4 means (24, 30) for displaying some of the program listings for currently broadcast video programs from the source in a first area of the screen;
- 1.5 an input device (28) for selectively marking by highlighting with a cursor one of the displayed program listings for a currently broadcast video program; and
- 1.5a whereas the highlighted background of cursor (48) and the background of an additional program description area (44) are the same color of shade, and
- 1.6 means in the form of a microprocessor (24) responsive to the input device
- 1.6a for controlling the recovering means to display in a second smaller and nonoverlapping area of the screen simultaneously with the program listings the currently broadcast video program corresponding to the program listing highlighted by the cursor,
- 1.6b such that the entire image of the video program is visible in real time, and to reproduce the audio information of said currently broadcast video program.

Beschreibung

[0001] Betreffend das europäische Patent 0 806 111 (DE 695 23 634)

hat der 5. Senat (Nichtigkeitssenat) des Bundespatentgerichts auf Grund der mündlichen Verhandlung vom 22. Juni 2016 für Recht erkannt:

I. Das europäische Patent 0 806 111 wird mit Wirkung für das Hoheitsgebiet der Bundesrepublik Deutschland dadurch teilweise für nichtig erklärt, dass seine Patentansprüche 1 bis 19 folgende Fassung erhalten:

II. Im Übrigen wird die Klage abgewiesen.

Patentansprüche

1. 1.0 A television entertainment system comprising:

1.1 a display (**20**) having a television screen;

1.2 recovering means in the form of a television tuner (**11**) for recovering currently broadcast video programs comprising video and audio information;

1.3 a source (**22**) of a schedule of program listings including listings for currently broadcast video programs;

1.4 means (**24, 30**) for displaying some of the program listings for currently broadcast video programs from the source in a first area of the screen;

1.5 an input device (**28**) for selectively marking by highlighting with a cursor one of the displayed program listings for a currently broadcast video program; and

1.5a whereas the highlighted background of cursor (**48**) and the background of an additional program description area (**44**) are the same color of shade, and

1.6 means in the form of a microprocessor (**24**) responsive to the input device

1.6a for controlling the recovering means to display in a second smaller and nonoverlapping area of the screen simultaneously with the program listings the currently broadcast video program corresponding to the program listing highlighted by the cursor,

1.6b such that the entire image of the video program is visible in real time, and to reproduce the audio information of said currently broadcast video program.

2. The system of claim 1, in which the source also includes a program description at a first level of detail for each program listing and the system additionally comprises means for displaying in a third area of the television screen the program description at the first level of detail corresponding to the program listing highlighted with a cursor.

3. The system of claim 2, in which the program displayed in the second area and the program description displayed in the third area change as the marked program listing changes responsive to the input device without further actuation of the input device.

4. The system of claim 2, in which the input device has up/down keys the operation of which changes the marked program listing displayed in the first area of the screen, the means for controlling changes the video program displayed in the second area of the screen responsive to said operation of the up/down keys to correspond to the changed marked program listing, and the means for displaying the program description changes the program description displayed in the third area of the screen responsive to said operation of the up/down keys to correspond to the changed marked program listing so that the displays in the first, second, and third areas all change responsive to the same operation of the up/down keys.

5. The system of claim 4, in which the first, second, and third areas substantially fill the screen, the second and third areas lie side by side at the top of the screen, and the first area lies at the bottom of the screen and extends across the entire screen.

6. The system of claim 1, in which the source also includes a program description at a second level of detail for each program listing and the system additionally comprises means for displaying in the first area of the screen as a substitute for the program listings the program description at the second level of detail for the marked program listing.

7. The system of claim 1, in which the input device marks one the program listings with an on screen cursor.

8. The system of claim 1, in which the input device marks one of the program listings with an on screen cursor that highlights the marked program listing.

9. 9.1 A method of channel surfing with a television apparatus receiver having a channel selector – comprising a viewer input device, a microprocessor, a tuner – and a screen, the method comprising the steps of:

9.2 storing in a memory a plurality of current television program listings, each program listing including a channel identification;

9.3 setting the channel selector to receive a particular channel;

9.4 displaying in a first area of the screen in real time the entire image of the program broadcast on the particular channel;

9.5 simultaneously displaying in a second area of the screen at least some of the current program listings stored in the memory, such that the program listings in the second area of the screen block from view none of the image of the broadcast program in the first area;

9.6 marking by highlighting with a cursor on the screen one of the displayed current program listings;

9.6a whereas the highlighted background of cursor (**48**) and the background of an additional program description area (**44**) are the same color of shade, and

9.7 retrieving from the memory the channel identification of the program listing highlighted by the cursor;
9.8 and using the retrieved channel identification to set the channel selector to receive and substitute on the screen for the program broadcast on the particular channel the program broadcast on the identified channel.

10. The method of claim 9, in which the storing step stores a title for each program listing and the second recited displaying step displays the titles of the current program listings.

11. The method of claim 10, in which the storing step also stores listings of future programs.

12. The method of claim 11, additionally comprising the step of alternatively displaying on the screen at least some of the future program listings instead of the first recited displaying step.

13. The method of claim 12, additionally comprising the step of marking one of the displayed future program listings without changing the program displayed in the first area.

14. The method of claim 13, additionally comprising the step of displaying in a third area of the screen a program description for the marked program listing.

15. The method of claim 9, additionally comprising the step of displaying in a third area of the screen a description of the program displayed in the first area.

16. The method of claim 9, in which the marking step marks one of the displayed program listings with a cursor.

17. The method of claim 16, in which the cursor highlights the marked program listing.

18. The method of claim 13, additionally comprising the step of recording the program identified by the marked future program listing.

19. The method of claim 18, in which the recording step comprises setting the channel selector to the channel identified by the marked future program listing at the time identified by the marked future program listing.

Es folgen keine Zeichnungen