



PSAR Details

PSAR No. : 17BE7_150433116024_2

Part - I : PATENT SEARCH TECHNIQUE USED

1. Patent Search Database Used : Google Patents
- Web link of the Database : <https://patents.google.com/>
2. Keywords Used for Search : digital,home,control,system
3. Search String Used : Digital home control system
4. Number of Results/Hits getting : 6196

Part - II : BASIC DATA OF PATENTED INVENTION/BIBLIOGRAPHIC DATA

5. Category/Field of Invention :
6. Invention is Related to/Class of Invention : home automation
- 6a. IPC class of the studied patent : G05B19/00, G05B15/00, G06G7/66
7. Title of Invention : Digital home control system
8. Patent No. : US20040117835A1
9. Application No. : US10669232
- 9a. Web link of the studied patent : <https://patents.google.com/patent/US20040117835A1>
10. Date of Filing/Application : 09/22/2003
11. Priority Date :
12. Publication/Journal Number - (Issue No. of Journal in which Patent is published) :
13. Publication Date :
14. First Filled Country :

15. Also Published as

We do not find any published data.

16. Inventor

Name of Inventor

Address/City/Country of Inventor

Joseph Lorkovic

USA

17. Applicant

Name of Applicant/Assignee	Address/City/Country of Applicant
Joseph Lorkovic	USA

18. Applicant for Patent is : Individual**Part - III : TECHNICAL PART OF PATENTED INVENTION****19. Limitation of Prior Technology/Art :**

Electronics manufactures and computer manufactures have not found a way to deliver the content from the computer and the Internet in harmony with television content in regard to a device in the home.

20. Specific Problem Solved/Objective of Invention :

This device combines the new interactive media with the old and delivers on the promise of the "Digital Home" in a way that is affordable and comfortable for the consumer to adapt to. Throughout these years makers of computers and traditional home electronics have presented consumers with inadequate products. The current state of existing inventions purpose ways to implement wireless video. The concept of wireless video alone is an obvious and general byproduct of the technologies available to transmit wireless data that have been recently developed. The present invention concerns a viable implementation of wireless video and other components to provide a very practical product.

21. Brief about Invention :

The present invention is generally related to home entertainment, interactive communications systems, remote control of devices and, in particular, to a home theater personal computer system (HTPC) or set-top-box that may, in turn, be coupled to local area, wide area, cable, and terrestrial networks in support of communications and interactive broadcast television media in the forms of high definition, digital and analog.

22. Key Learning Points :

The system is dependent on an HTPC/PC with dual video output. It is a remote control and display for input and output. To the user this provides the essence of a portable computer but is in fact only a remote control. Video outputs are controlled so from the remote unit displays maybe exchanged. The HTPC system is to have a large display for viewing of movies. The remote control provides the small and close up display for other content. The computer remote control system includes an external wireless transceiver connected to the computer that provides communications between the computer and the portable remote control device. The portable remote control device includes a graphics display panel with a switch to swap the attached displays, wireless transceiver, keypad, pointing device, and universal serial buss port.

23. Summary of Invention :

the present invention removes all disadvantages that the HTPC has been plagued with from its inception and provides a means to enjoy and benefit from all media types throughout the home. This device enables the HTPC and frees consumers to make many choices as they deem suitable such as the operating system, software and hardware of preference as the standard PC has done in the past. The present invention could also provide a built in scan converter to accommodate the old analog equipment in a digital broadcast environment. The system could also be embedded in computer and set-top-box cases rather than the separate components presented herein. The device has the potential to create numerous opportunities for many businesses that provide related hardware and software.

The new control and display system is needed for the HTPC to gracefully present the media types in a way that the consumer can gain the full benefit of the content and functionality available. While accomplishing the above the current invention also provides the basses for a whole new interactive TV system that is viable because it presents the interaction in a comfortable way for the consumer. The current interactive TV systems are not able to provide interaction without disruption of the content being viewed on a single display system.

24. Number of Claims : 3

25. Patent Status : Published Application

26. How much this invention is related with your IDP/UDP? : < 70 %

27. Do you have any idea to do anything around the said invention to improve it? :

NO

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