

US006930730B2

## (12) United States Patent

Maxon et al.

## (10) Patent No.: US 6,930,730 B2

(45) **Date of Patent:** Aug. 16, 2005

# (54) CONTROL SYSTEM AND USER INTERFACE FOR NETWORK OF INPUT DEVICES

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(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 504 days.

(21) Appl. No.: 10/138,451(22) Filed: May 3, 2002

(65) Prior Publication Data

US 2002/0171762 A1 Nov. 21, 2002

## Related U.S. Application Data

- (60) Provisional application No. 60/288,317, filed on May 3, 2001.

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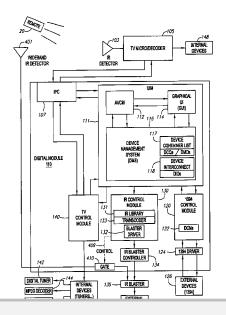
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## (57) ABSTRACT

Apparatus, methods, and systems for centrally and uniformly controlling the operation of a variety of devices, such as communication, consumer electronic, audio-video, analog, digital, 1394, and the like, over a variety of protocols within a network system and, more particularly, a control system and uniform user interface for centrally controlling these devices in a manner that appears seamless and transparent to the user. In a preferred embodiment, a command center or hub of a network system includes a context and connection permutation sensitive control system that enables centralized and seamless integrated control of all types of input devices. The control system preferably includes a versatile icon based graphical user interface that provides a uniform, on-screen centralized control system for the network system. The user interface, which includes a visual recognition system, enables the user to transparently control multiple input devices over a variety of protocols while operating on a single control layer of an input command device. In an alternative embodiment, the control system also enables gated signal pass-through control while avoiding signal jamming.

## 45 Claims, 19 Drawing Sheets

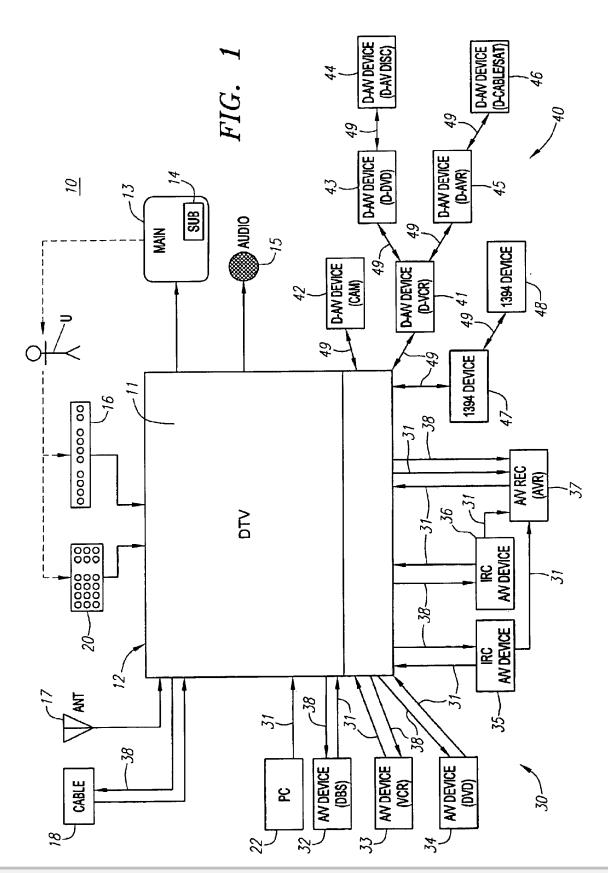




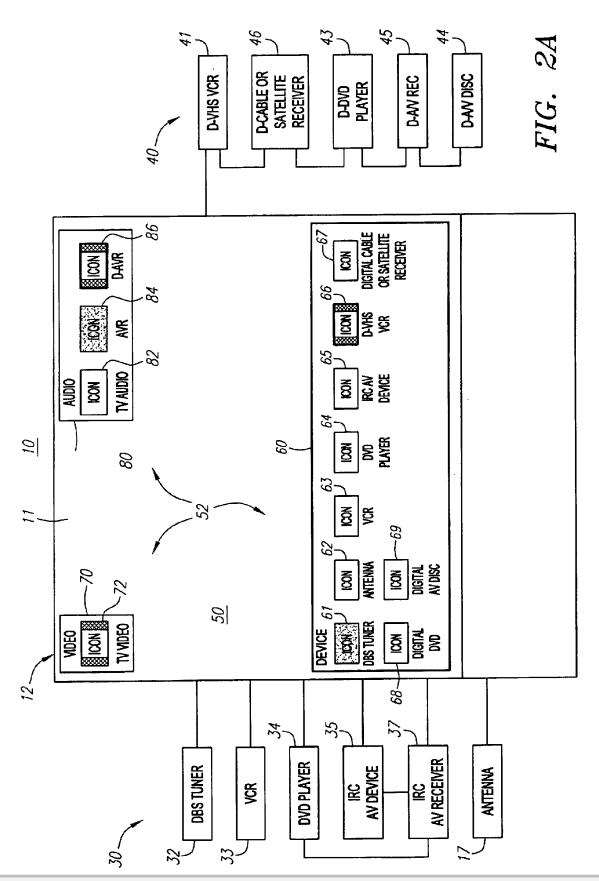
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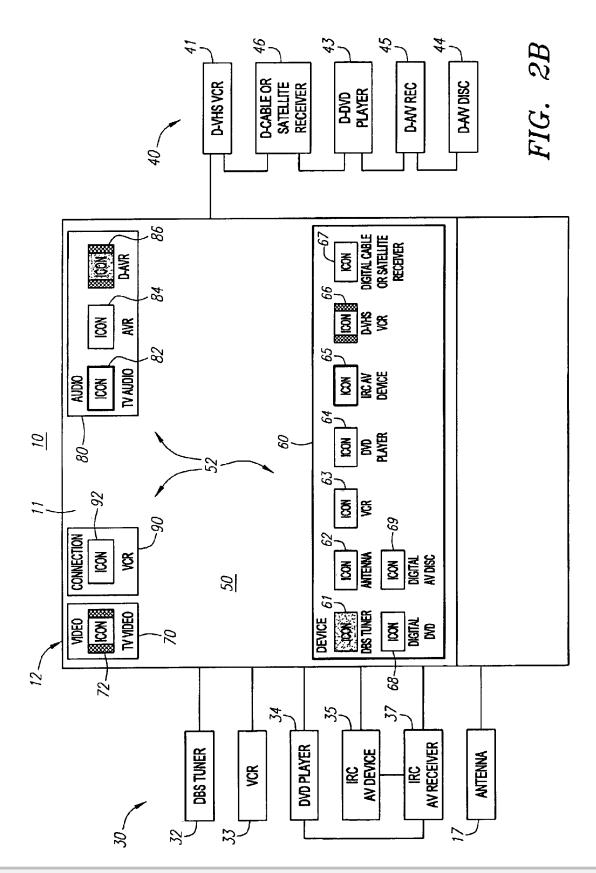














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