



(12) **United States Patent**  
**Vasudevan et al.**

(10) **Patent No.:** **US 8,249,114 B2**  
(45) **Date of Patent:** **Aug. 21, 2012**

(54) **METHOD AND DEVICE FOR RECEIVING AND PROVIDING PROGRAMS**

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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 2030 days.

(21) Appl. No.: **11/200,754**

(22) Filed: **Aug. 9, 2005**

(65) **Prior Publication Data**  
US 2006/0034341 A1 Feb. 16, 2006

**Related U.S. Application Data**  
(60) Provisional application No. 60/600,473, filed on Aug. 10, 2004, provisional application No. 60/662,844, filed on Mar. 16, 2005.

(51) **Int. Cl.**  
**H04J 1/00** (2006.01)

(52) **U.S. Cl.** ..... **370/486; 370/537**

(58) **Field of Classification Search** ..... **370/537, 370/485, 486, 487**  
See application file for complete search history.

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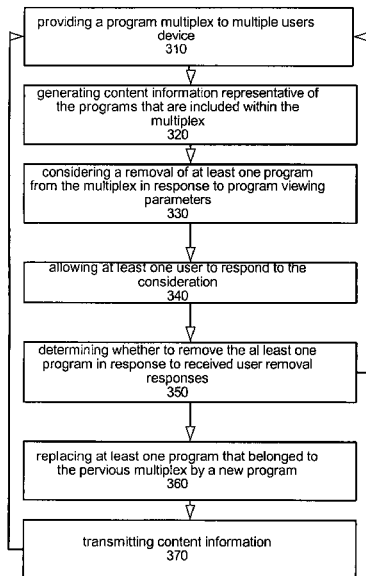
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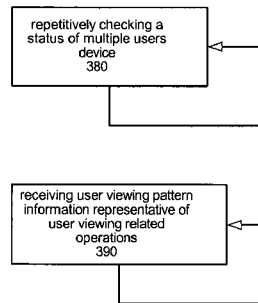
(57) **ABSTRACT**

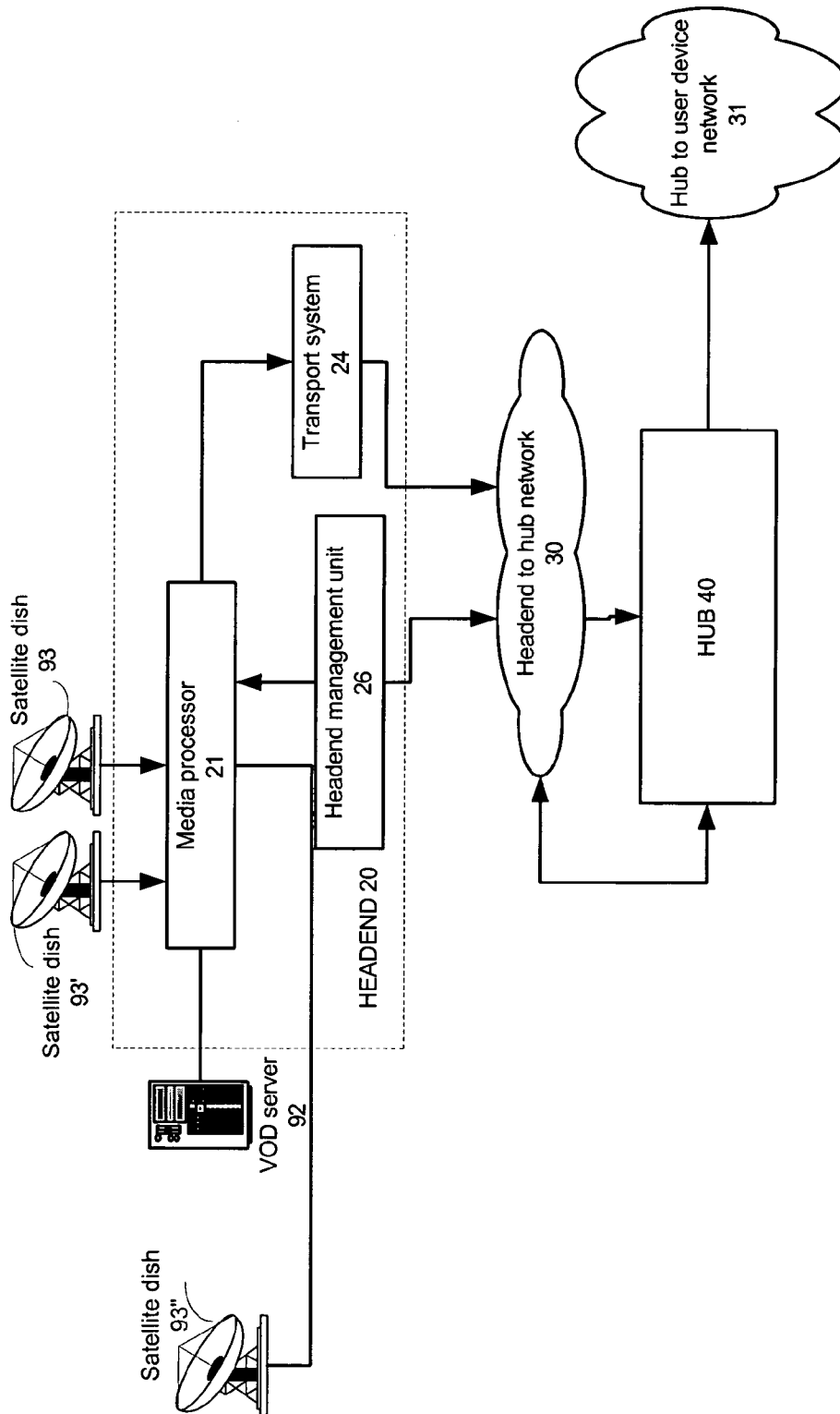
A method for providing programs, the method includes: (i) providing a program multiplex to multiple users device; (ii) considering a removal of at least one program from the multiplex in response to program viewing parameters; (iii) allowing at least one user to respond to a possible removal of the program; and (iv) determining whether to remove the at least one program in response to received user removal responses. A user device that includes a transceiver unit that is connected to a controller, wherein the device is adapted to receive a program multiplex, to receive an indication that at least one program is to be removed from the multiplex, and to selectively transmit a program removal response.

**42 Claims, 13 Drawing Sheets**



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FIGURE 1

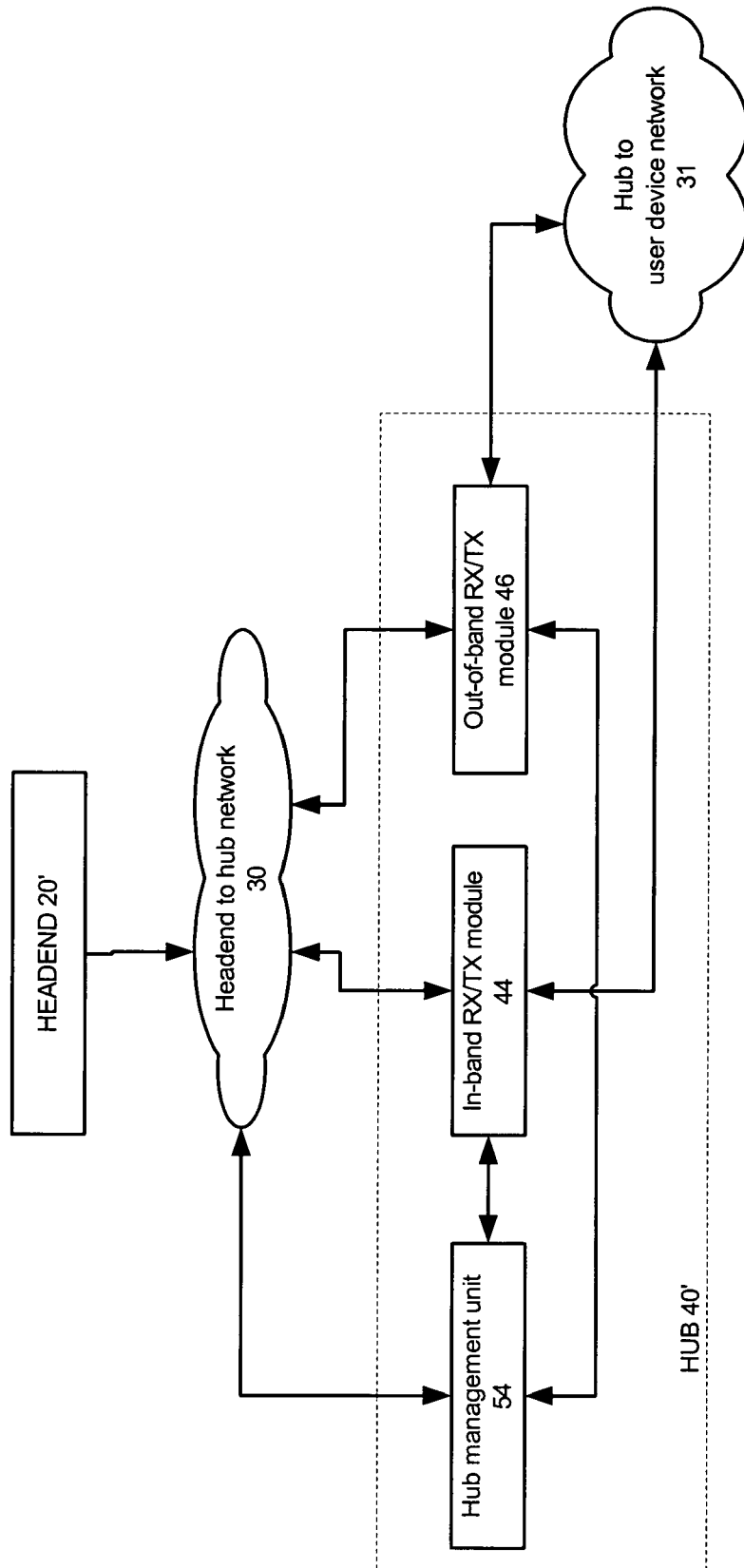


FIGURE 2

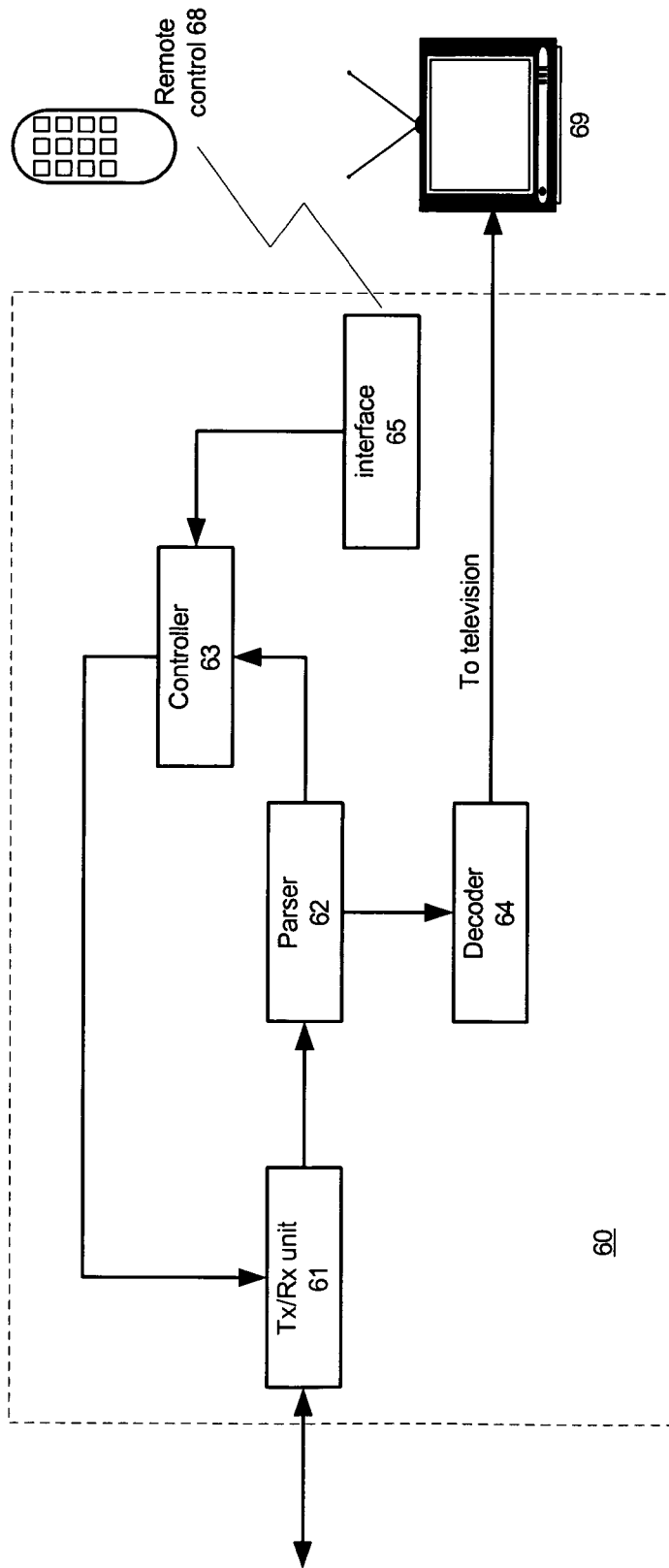


FIGURE 3

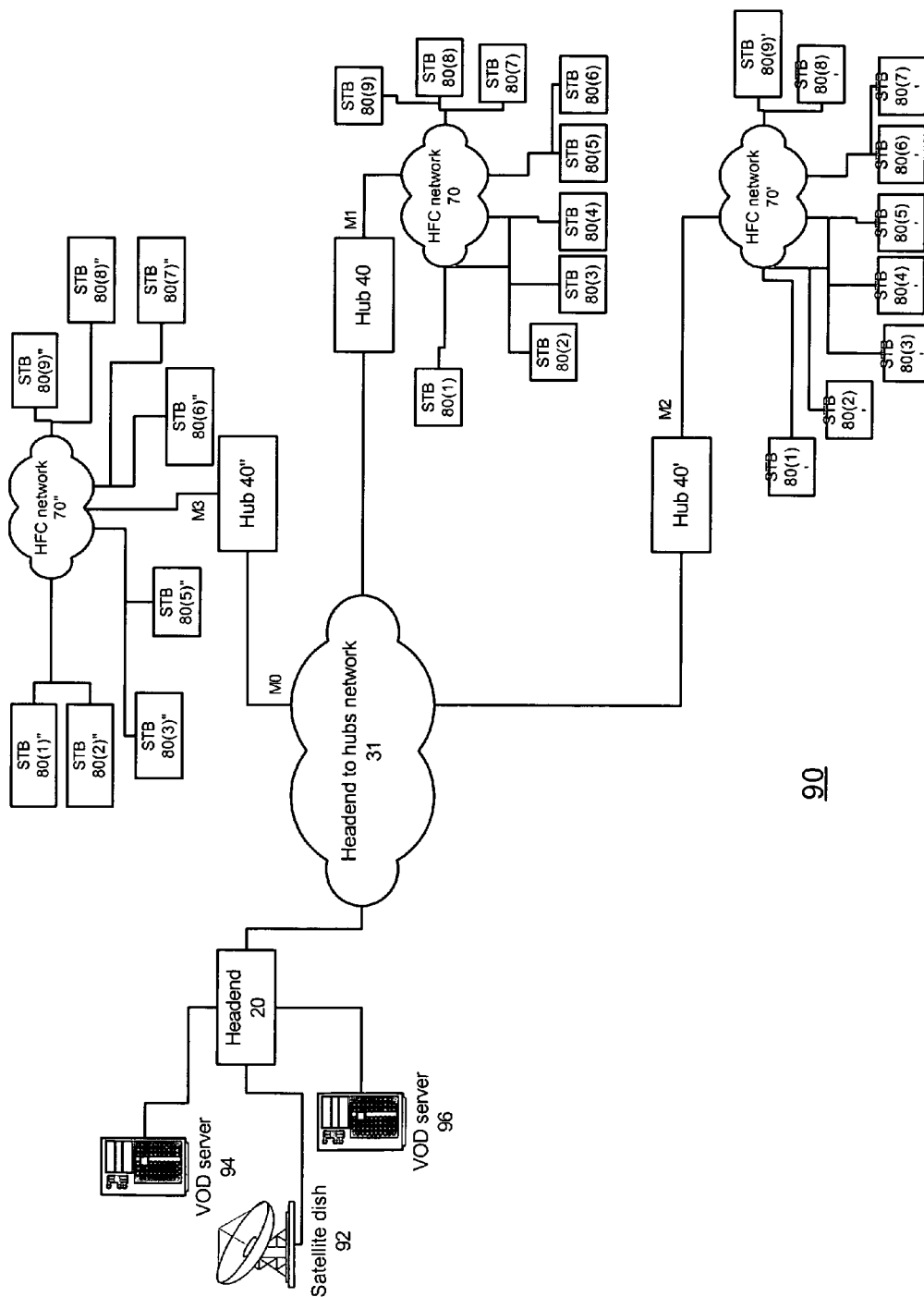


FIGURE 4

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