

Petitioner's Trial Presentation

Inter Partes Review

Case No. IPR2014-01084

U.S. Patent No. 7,126,468

Oral Hearing September 2, 2015

10:00 AM

'468 Patent Monitors Command Transmissions

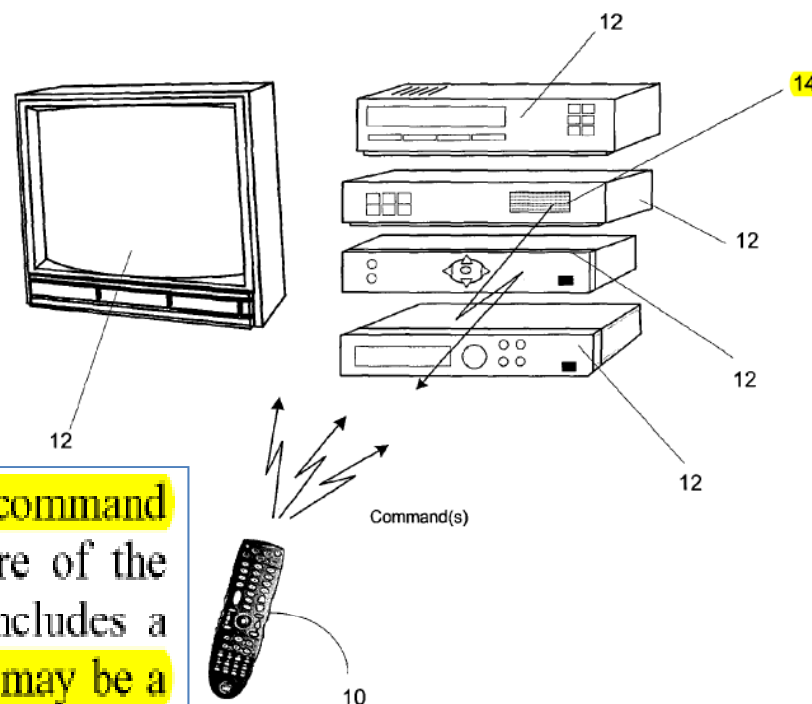
(12) **United States Patent**
Arling et al.

(10) **Patent No.:** **US 7,126,468 B2**
(45) **Date of Patent:** **Oct. 24, 2006**

(54) **SYSTEM AND METHOD FOR MONITORING REMOTE CONTROL TRANSMISSIONS**

(75) **Inventors:** **Paul D. Arling**, Irvine, CA (US); **Wayne Scott**, Newport Beach, CA (US); **Christopher Chambers**, Stanton, CA (US); **Joseph Lee Haughawout**, Aliso Viejo, CA (US)

(73) **Assignee:** **Universal Electronics Inc.**, Cypress,



For use in monitoring for the transmission of command codes from a remote control 10 to one or more of the appliances 12 the subject system and method includes a command receiver 14. The command receiver 14 may be a device separate and apart from the appliances 12 or may be integrated into one or more of the appliances 12 as is illustrated in FIG. 1. In either case, the command receiver 14

See Ex. 1001, FIG. 1 and 4:25-31.

Representative Claim 27 of the '468 Patent

27. A method of *updating* a data representative of *a current state of* an intended *target appliance*, comprising:

- receiving a transmission from a remote control; and
- comparing the transmission from the remote control to a plurality of commands to determine if the transmission from the remote control is one for commanding an operation of the intended target appliance and

to update the data to represent *the current state of* the intended *target appliance* which will result from the intended target appliance performing the operation commanded.

Patent Owner disputes that the prior art, Cohen, discloses the claimed “updating ... a current state of ... [a] target appliance.”

See POR at 5-7.

“Updating” is NOT Limited to a Specific Device

27. A method of ***updating*** a data representative of a current state of an intended target appliance, comprising:

- receiving a transmission from a remote control; and
- comparing the transmission from the remote control to a plurality of commands to determine if the transmission from the remote control is one for commanding an operation of the intended target appliance and ***to update*** the data to represent the current state of the intended target appliance which will result from the intended target appliance performing the operation commanded.

Patent Owner argues incorrectly that the claims require that ***“the monitoring device updates data representing the current state of a target appliance.”***

See POR at 2 (emphasis changed).

'468 Patent Teaches Updating Data in Different Devices, NOT Just the Monitoring Device

-- The '468 patent discloses updating "state tables."

See, e.g., Ex. 1001, Abstract.

-- The updated state tables can be in the appliance, the command receiver, or a remote device. See Ex. 1001 at 9:12-15 and Pet. Reply at 5.

(57)

ABSTRACT

A remote control transmission monitoring system. The system monitors remote control transmissions for the purpose of updating state tables for one or more remotely controllable appliances. The state tables may then be queried for the purpose of determining the present state of an appliance whereby the transmission of a command that would place an appliance in an unintended state may be avoided.

Still further, the appliance 12 may consult a locally maintained state table or a general state table maintained by command receiver 14, or a remote device such as a personal computer, to discern if the appliance is already in a state desired by the macro and inhibit execution of a command that may effect that state, e.g., inhibit the execution of a "power toggle" command intended to turn the appliance on if the appliance is already in the "on" state. In this case, the

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