

Title (en)  
TWO WAY CABLE SYSTEM WITH NOISE-FREE RETURN PATH

Title (de)  
ZWEIWEG-KABELSYSTEM MIT RAUSCHFREIEM RÜCKKANAL

Title (fr)  
SYSTEME DE CABLE A DEUX VOIES A RETOUR SANS BRUIT

Publication  
**EP 1287693 A2 20030305 (EN)**

Application  
**EP 01925260 A 20010425**

Priority  
• CA 0100556 W 20010425  
• US 55762900 A 20000425

Abstract (en)  
[origin: WO0182618A2] The return path for a signal in a cable system uses a portion of the 50-750 MHz frequency band to send signals from each set-top box therein to a receiver at the feeder line end. A band stop filter is placed in each auxiliary feeder line to prevent the return signal from set-top boxes being received by more than one feeder line end. The feeder line end has a receiver for the signal from set-top boxes and a means to transmit the signal back to the headend via various mediums. The size of the return path is operator selectable. Further more this system eliminates virtually all ingress noise picked up by the collection of set-top boxes, home wiring and drop wiring entering the cable system.

IPC 1-7  
**H04N 7/173**

IPC 8 full level  
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CPC (source: EP)  
**H04N 7/102** (2013.01); **H04N 7/17309** (2013.01); **H04N 7/22** (2013.01)

Citation (search report)  
See references of WO 0182618A2

Designated contracting state (EPC)  
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**WO 0182618 A2 20011101**; **WO 0182618 A3 20020411**; **WO 0182618 A9 20011206**; AU 5208201 A 20011107; CA 2407321 A1 20011101; CN 1439226 A 20030827; EP 1287693 A2 20030305; NZ 522452 A 20040730

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