

Title (en)  
PASSIVE DISTRIBUTED FILTER SYSTEM AND METHOD

Title (de)  
SYSTEM UND VERFAHREN ZUR PASSIV-VERTEILTEN FILTERUNG

Title (fr)  
SYSTEME DE FILTRES PASSIFS REPARTIS ET PROCEDE CORRESPONDANT

Publication  
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Application  
**EP 97951551 A 19971204**

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Abstract (en)  
[origin: WO9827713A1] A plurality of passive distributed POTS filters (12) are associated with a respective plurality of POTS communications devices and decouple a POTS CHANNEL from a telephone connection, while permitting and not interfering with a second communications channel (41) (e.g., DSL, ADSL, SDSL, RADSL, VADSL, etc.) on the telephone connection that is utilized by a modem. In architecture, the DPF system (10) includes a plurality of POTS communications devices, such as telephones, and a plurality of the DPFs (10) corresponding respectively with and connecting each of the POTS communications devices (33) to the telephone connection. Each of the DPFs comprise an automatic control mechanism and a POTS filter (12). The automatic control mechanism is configured to isolate the POTS filter when a respective POTS communications device is on-hook. Each DPF (10) is configured to permit POTS communications over a POTS channel on the telephone connection with the respective POTS communications device (33) when the POTS communications device is off-hook. Furthermore, a second communications device, such as a DSL (e.g., ADSL, SDSL, RADSL, VADSL, etc.) communications device, is connected to the telephone connection and communicates signals over a second channel. The POTS and second channel are communicated over the telephone connection concurrently without appreciable interference.

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