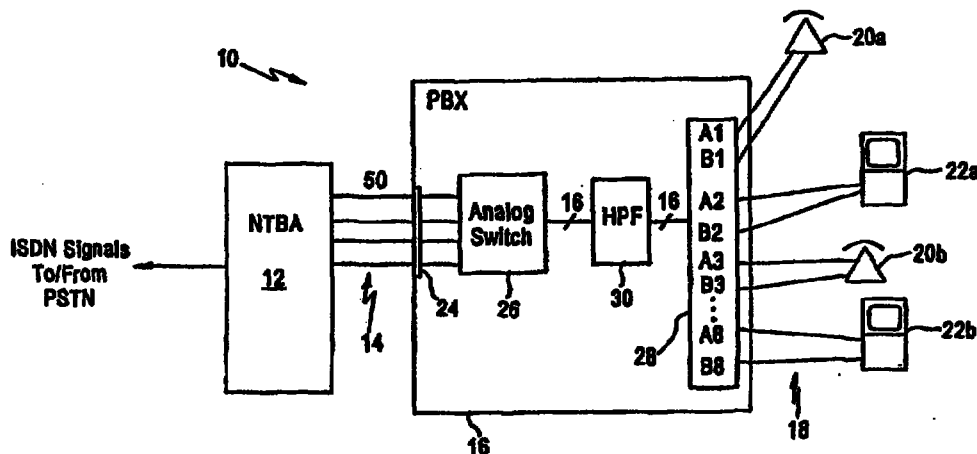




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(54) Title: APPARATUS AND METHOD FOR COUPLING ANALOG SUBSCRIBER LINES IN A HOME NETWORK



(57) Abstract

A home network environment (10) is implemented in a customer premises having a Private Branch Exchange (PBX) (16) for outputting analog telephone signals onto twisted pair wiring arranged in a star topology (18), by adding a high pass filter (30) in parallel along the twisted pair wiring. The high pass filter (30) enables transmission of network data signals between the telephone line pairs connected to the PBX, without interference of the switching operations by the PBX (16) of analog telephone signals. The high pass filter (30) may be implemented within the PBX (16) as an improved PBX system that accommodates home networking, or alternatively the high pass filter (30) may be added externally to the PBX system as a retrofit operation for existing customer premises.