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ABSTRACT

METHOD USED IN A TELECOMMUNICATION NETWORK, TERMINATION UNIT REALISING THE LATTER AND A TELECOMMUNICATION NETWORK INCLUDING SUCH A TERMINATION UNIT

The method is used in a telecommunication network wherein a central station (CS) is coupled to a plurality of residences (R1,R2,R3). One of the residences (R3) includes a termination unit (TU) which is coupled to the central station (CS) via a first port (P1). The residence (R3) also includes subscriber terminals, e.g. a personal computer (PC), a telephone set (TEL), a television set (TV) and a set-top box (STB) which are coupled to the termination unit (TU) via a second port (P2). The method includes amplifying an upstream signal (US) applied to the second port (P2) with an upstream gain value (UG) by means of an upstream signal amplifier (U-AMP3) which is included in the termination unit (TU). Thereby, an amplified upstream signal (AUS) is generated and provided to the first port (P1). The upstream gain (UG) is a compensation for the signal power attenuation of the internal transmission line (UA-Li) between the termination unit (TU) and one of the subscriber terminals which is in fact the in-house network attenuation. By this way cross-talk in the region of the internal transmission line at the subscriber terminals is reduced by reducing the differences between the signal power levels. (figure)

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