

Title (en)  
METHOD AND CIRCUIT ARRANGEMENT FOR THE PRODUCTION OF AN OUTPUT SIGNAL OF A PREDEFINED AVERAGE SIZE FROM A RELATIVELY LARGER INPUT SIGNAL BY PULSE-WIDTH MODULATED CONNECTION OF SAID INPUT SIGNAL

Title (de)  
VERFAHREN UND SCHALTUNGSANORDNUNG ZUR ERZEUGUNG EINES AUSGANGSSIGNALS MIT VORGEGEBENER MITTLERER GRÖSSE AUS EINEM DEMGEGENÜBER GRÖßEREN EINGANGSSIGNAL DURCH PULSWEITENMODULIERTE ZUSCHALTUNG DES EINGANGSSIGNALS

Title (fr)  
PROCEDE ET ENSEMBLE CIRCUIT POUR PRODUIRE UN SIGNAL DE SORTIE PRESENTANT UNE GRANDEUR MOYENNE PREDEFINIE A PARTIR D'UN SIGNAL D'ENTREE SUPERIEUR A CE DERNIER PAR COMMUTATION A MODULATION D'IMPULSIONS EN LARGEUR DU SIGNAL D'ENTREE

Publication  
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Application  
**EP 05769278 A 20050714**

Priority  

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- DE 102004040252 A 20040819

Abstract (en)  
[origin: WO2006017997A1] The invention relates to a method for the production of an output signal having a predefined average size from a relatively larger input signal by pulse-width modulated connection of the input signal, wherein the pulse-width modulation has a predefined number of discrete adjustable pulse widths within a pulse width and each pulse width corresponds to a specific average output-signal size. A super frame consisting of at least two successive pulses is chosen in order to produce an output signal which has an average size and which does not correspond to one of the discretely adjustable pulse widths. At least two pulses inside the super frame have a different pulse width such that the average output signal size corresponds to the predefined size. As a result, it is possible to produce intermediate average size values which can not be represented by pulse width, in addition to average size values which can not be produced as a result of the switching delay of the pulse-width modulation controlled switching means in a pulse width.

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