Title (en)
Method and apparatus for addition of signals existing as sampling values

Title (de)
Verfahren und Vorrichtung zur Addition von als Abtastwerte vorliegenden Signalen

Title (fr)
Procédé et dispositif pour addition des signaux existants comme valeurs d'échangillons

Publication
EP 0876077 B1 20070418 (DE)

Application
EP 98440051 A 19980313

Priority
DE 19716314 A 19970418

Abstract (en)
[origin: CA2230481A1] A method of forming an aggregation of N > 1 band-limited time signals, each with a bandwidth of ~ B, which are present as analog and/or digital sampling values, with a respective sampling frequency of fA > 2B, is characterized in that the sampling values of all N time signals are offset in time and superimposed on each other, and are jointly input to a low-pass filter (12) with a bandwidth of B' > B, and that a composite signal is tapped off from the output of the low-pass filter (12). This allows the aggregation to be performed in a considerably shorter calculation time, a number of slow and expensive aggregation elements can possibly be saved, and the damping of the signals during processing can be minimized, as well as the corresponding loss of information.

IPC 8 full level
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