

Title (en)
INTERFERENCE SUPPRESSION FOR MEASURING SIGNALS WITH PERIODIC WANTED SIGNAL

Title (de)
STÖRUNGSUNTERDRÜCKUNG FÜR MESSSIGNALE MIT PERIODISCHEM NUTZSIGNAL

Title (fr)
REDUCTION DES INTERFERENCES DANS DES SIGNAUX DE MESURE A SIGNAL UTILE PERIODIQUE

Publication
EP 1192560 A1 20020403 (DE)

Application
EP 99927941 A 19990610

Priority
EP 9903996 W 19990610

Abstract (en)
[origin: WO0077675A1] The invention relates to a method for suppressing the interferences in a measuring signal with a substantially periodic wanted signal. According to the method, first a transformation, preferably a wavelet transformation, of the measuring signal to a summation of aperiodic basic logic functions is carried out, wherein each element of the sum has a coefficient. Those coefficients that exceed a predetermined threshold value are characterized as interference coefficients that are presumably influenced by interferences and the interference coefficients are manipulated to suppress the interferences. The manipulated summation is then retransformed to an interference-suppressed measuring signal. An undisturbed base signal is shown as curve 300 (thin) and the disturbed signal as curve 310 (extra-bold). The curve 320 (bold) shows the signal screened according to the invention, by starting from curve 310 and carrying out the embodiment presented in the invention.

IPC 1-7
G06F 17/14

IPC 8 full level
A61B 5/145 (2006.01); **G06F 17/14** (2006.01)

CPC (source: EP US)
G06F 17/148 (2013.01 - EP US)

Citation (search report)
See references of WO 0077675A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0077675 A1 20001221; EP 1192560 A1 20020403; JP 2003502083 A 20030121; JP 4495379 B2 20100707; US 6654623 B1 20031125

DOCDB simple family (application)
EP 9903996 W 19990610; EP 99927941 A 19990610; JP 2001503084 A 19990610; US 1806802 A 20020529