

Title (en)  
FILTER UNIT COMPRISING A CORE FILTER, DECIMATOR AND INTERPOLATOR

Title (de)  
FILTEREINRICHTUNG MIT KERNFILTER, DEZIMATOR UND INTERPOLATOR

Title (fr)  
ENSEMBLE FILTRE AVEC FILTRE NOYAU, DECIMATEUR ET INTERPOLATEUR

Publication  
**EP 1222736 A1 20020717 (DE)**

Application  
**EP 00956750 A 20000825**

Priority  
• DE 19940926 A 19990827  
• IB 0001306 W 20000825

Abstract (en)  
[origin: DE19940926A1] The invention relates to a filter unit, comprising a decimator (2), core filter (1) and an interpolator (3). According to the invention, the sampling rate is decreased by a fractional sampling rate modification factor L/M, prior to the core filtration process. This allows the construction of a simple filter structure which can be universally used. Parallelisation achieves a structure whose clock rate can be freely modified.

IPC 1-7  
**H03H 17/06**

IPC 8 full level  
**H03H 17/02** (2006.01); **H03H 17/06** (2006.01)

CPC (source: EP)  
**H03H 17/0275** (2013.01)

Citation (search report)  
See references of WO 0117108A1

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

DOCDB simple family (publication)  
**DE 19940926 A1 20010301**; AU 6861200 A 20010326; CN 1376333 A 20021023; EP 1222736 A1 20020717; NO 20020927 D0 20020226; NO 20020927 L 20020327; WO 0117108 A1 20010308

DOCDB simple family (application)  
**DE 19940926 A 19990827**; AU 6861200 A 20000825; CN 00813427 A 20000825; EP 00956750 A 20000825; IB 0001306 W 20000825; NO 20020927 A 20020226