

Title (en)

Data processing method by passage between different sub-band domains

Title (de)

Datenverarbeitungsverfahren durch Übergang zwischen verschiedenen Subband-domänen

Title (fr)

Procédé de traitement de données par passage entre domaines différents de sous-bandes

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Application

EP 05798240 A 20050823

Priority

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Abstract (en)

[origin: US2009198753A1] The invention concerns data processing by passage between different subband domains, of a first number L to a second number M of subband components. After determining a third number K, least common multiple between the first number L and the second number M: a) if K is different from L, it consists in arranging in blocks, by a serial/parallel conversion, an input vector X(z) to obtain p2 polyphase component vectors ($p2=KL$); b) applying a square matrix filtering T(z) of dimensions $K \times K$, to the p2 polyphase component vectors to obtain p1 polyphase component vectors for forming an output vector Y(z), with $p1=K/M$, and if the third number K is different from the second number M, providing a block arrangement by a parallel/serial conversion to obtain the output vector Y(z).

IPC 8 full level

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