

Title (en)

Sub-band processing complexity reduction

Title (de)

Subband zur Verarbeitung der Komplexitätsverringern

Title (fr)

Réduction de la complexité de traitement de sous-bande

Publication

EP 2355094 B1 20170412 (EN)

Application

EP 11151856 A 20110124

Priority

US 69653310 A 20100129

Abstract (en)

[origin: EP2355094A1] A sub-band processing system that reduces computational complexity and memory requirements includes a processor and a local or distributed memory. Logic stored in the memory partitions a frequency spectrum of bins into a smaller number of sub-bands. The logic enables a lossy compression by designating a magnitude and a designated or derived phase of each bin in the frequency spectrum as representative. The logic renders a lossless compression by decompressing the lossy compressed data and providing lost data based on original spectral relationships contained within the frequency spectrum.

IPC 8 full level

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CPC (source: EP)

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