

Title (en)
Sub-band processing complexity reduction

Title (de)
Subband-Verarbeitung zur Komplexitätsverringern

Title (fr)
Réduction de la complexité de traitement de sous-bande

Publication
EP 2755205 A1 20140716 (EN)

Application
EP 14157074 A 20110124

Priority
• US 69653310 A 20100129
• EP 11151856 A 20110124

Abstract (en)
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
G10L 25/18 (2013.01); **G10L 19/00** (2013.01); **G10L 19/02** (2013.01); **G10L 21/0208** (2013.01)

CPC (source: EP)
G10L 19/0204 (2013.01); **G10L 19/0212** (2013.01); **G10L 25/18** (2013.01); **G10L 2021/02082** (2013.01)

Citation (search report)
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Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 2355094 A1 20110810; EP 2355094 B1 20170412; CA 2729707 A1 20110729; CA 2729707 C 20140401; EP 2755205 A1 20140716; EP 2755205 B1 20191211

DOCDB simple family (application)
EP 11151856 A 20110124; CA 2729707 A 20110127; EP 14157074 A 20110124