

Title (en)
SOUND SPATIALISATION WITH REVERBERATION, OPTIMISED IN TERMS OF COMPLEXITY

Title (de)
KOMPLEXITÄTSOPTIMIERTE KLANGVERRÄUMLICHUNG MIT NACHHALL

Title (fr)
SPATIALISATION SONORE AVEC EFFET DE SALLE, OPTIMISEE EN COMPLEXITE

Publication
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Application
EP 14796814 A 20141014

Priority
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Abstract (en)
[origin: WO2015055946A1] The invention relates to a sound spatialisation, with the application of at least one transfer function with reverberation to at least one sound signal. This application amounts to multiplying, in the spectral range, spectral components of the sound signal by the spectral components of a filter corresponding to the transfer function, each spectral component of the filter having a temporal evolution in a time-frequency representation. In particular, the spectral components of the filter are especially ignored, for the above-mentioned multiplications of components, beyond a threshold frequency ($F_c d(l)$, $F_c g(l)$, $F_c d(2)$, $F_c g(2)$) and after at least a given instant ($m=l$, $m=2$) in said time-frequency representation.

IPC 8 full level
G10K 15/12 (2006.01); **H04S 1/00** (2006.01); **H04S 3/00** (2006.01); **H04S 7/00** (2006.01)

CPC (source: EP KR US)
G10K 15/12 (2013.01 - EP KR US); **G10L 19/008** (2013.01 - US); **H04S 7/306** (2013.01 - EP KR US); **H04S 7/307** (2013.01 - US); **H04S 2400/01** (2013.01 - EP KR US); **H04S 2420/01** (2013.01 - EP KR US); **H04S 2420/07** (2013.01 - EP KR US)

Citation (examination)
• US 7835535 B1 20101116 - TRAUTMANN STEVEN D [JP], et al
• EP 2840811 A1 20150225 - FRAUNHOFER GES FORSCHUNG [DE]

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