Title (en)
PROCESS FOR CODING A PLURALITY OF AUDIO SIGNALS

Title (de)
VERFAHREN ZUM CODIEREN MEHRERER AUDIOSIGNALE

Title (fr)
PROCEDE DE CODAGE DE PLUSIEURS SIGNAUX AUDIO

Publication
EP 0750811 B1 19980325 (DE)

Application
EP 95907637 A 19950202

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Abstract (en)
[origin: US5701346A] PCT No. PCT/EP95/00378 Sec. 371 Date Sep. 12, 1996 Sec. 102(e) Date Sep. 12, 1996 PCT Filed Feb. 2, 1995 PCT Pub. No. WO95/26083 PCT Pub. Date Sep. 28, 1995In a method of coding a plurality of audio signals, the left and the right basic channel as well as the central channel are combined by joint stereo coding so as to obtain a jointly coded signal, which is decoded so as to provide simulated decoded signals. The simulated decoded signals and two surround channels are combined by matricization by means of a compatibility matrix so as to form compatible signals which are suitable for decoding by existing decoders. In order to avoid audible disturbances caused by excessive energy contents of the compatible signals, which would occur if joint stereo coding and decoding were carried out prior to carrying out the matricization, the compatible signals or the simulated decoded signals are dynamically weighted by means of a dynamic correction factor in such a way that the compatible signals are approximated with regard to their energy to the energy of signals which would be obtained if the two basic channels and the central channel as well as the surround channels were matricized directly.

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H04H 5/00

IPC 8 full level
H04S 5/02 (2006.01); **H03M 7/30** (2006.01); **H04B 14/04** (2006.01); **H04H 20/88** (2008.01); **H04S 3/00** (2006.01); **H04S 3/02** (2006.01)

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Cited by
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AT CH DE ES FR GB IE IT LI NL SE

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US 5701346 A 19971223; AT E164479 T1 19980415; AU 1577495 A 19951009; AU 682926 B2 19971023; DE 4409368 A1 19950921; DE 59501719 D1 19980430; EP 0750811 A1 19970102; EP 0750811 B1 19980325; JP 3193921 B2 20010730; JP H09505193 A 19970520; KR 0173391 B1 19990401; WO 9526083 A1 19950928

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