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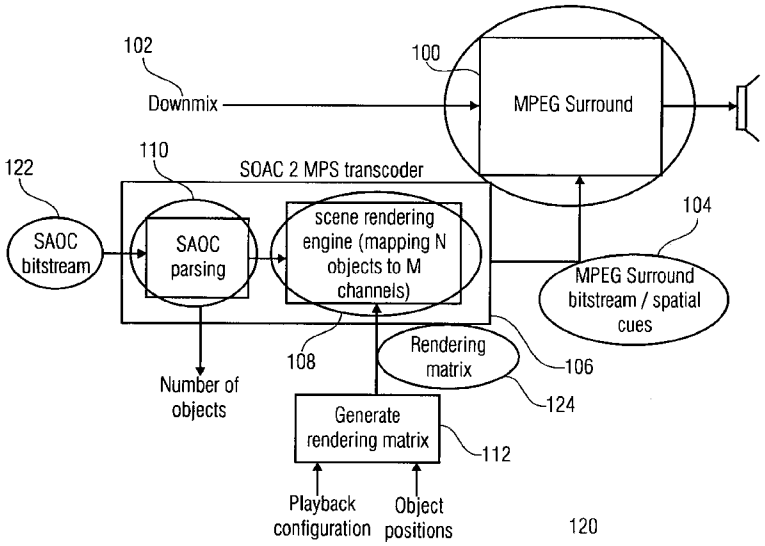
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[Continued on next page]

(54) Title: APPARATUS AND METHOD FOR MULTI -CHANNEL PARAMETER TRANSFORMATION



(57) Abstract: A parameter transformer generates level parameters, indicating an energy relation between a first and a second audio channel of a multi-channel audio signal associated to a multi-channel loudspeake configuration. The level parameter are generated based on object parameters for a plurality of audio objects associated to a down-mix channel, which is generated using object audio signals associated to the audio objects. The object parameters comprise an energy parameter indicating an energy of the object audio signal. To derive the coherence and the level parameters, a parameter generator is used, which combines the energy parameter and object rendering parameters, which depend on a desired rendering configuration.

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B. FIELDS SEARCHED

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G10L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	"Concepts of Object-Oriented Spatial Audio Coding" VIDEO STANDARDS AND DRAFTS, XX, XX, no. W8329, 21 July 2006 (2006-07-21), XP030014821 page 3 - page 5; figure 2 -----	1,3-7, 22,26,27
E	EP 1 853 092 A (LG ELECTRONICS INC [KR]) 7 November 2007 (2007-11-07) page 2, line 5 - line 10 page 3, line 11 - line 27 page 3, line 47 - line 54 page 5, line 31 - page 9, line 9 page 11, line 14 - line 36 page 11, line 49 - line 55 ----- -/--	1,26,27

[X] Further documents are listed in the continuation of Box C.

[X] See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
T	JUERGEN HERRE ET AL: "Thoughts on an SAOC Architecture" VIDEO STANDARDS AND DRAFTS, XX, XX, no. M13935, 18 October 2006 (2006-10-18), XP030042603 page 5 - page 8	1-27

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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EP 1853092 A	07-11-2007	EP 1853093 A1	07-11-2007
		WO 2007128523 A1	15-11-2007
		US 2008049943 A1	28-02-2008