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(54) **Title:** ASSESSING THE QUALITY OF A VIDEO SIGNAL DURING ENCODING OR COMPRESSING OF THE VIDEO SIGNAL

(57) **Abstract:** The invention provides a method and apparatus for assessing the quality of a video signal during encoding or compressing of the video signal, the method comprising the steps of: a) estimating the quality of the encoded or compressed video signal using one or more parameters; and b) using the length of the Group of Pictures, GOP, and/or GOP-length-related parameters as additional parameter(s) to adjust the estimated video signal quality.



INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
INV. H04N7/26 H04N7/50 H04N17/00
ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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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 practicable, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GARCIA M N ET AL: "Impairment-factor-based audio-visual quality model for IPTV", PROCEEDINGS OF THE FIRST INTERNATIONAL WORKSHOP ON QUALITY OF MULTIMEDIA EXPERIENCE (QOMEX 2009), 29 July 2009 (2009-07-29), pages 1-6, XP031528709, IEEE, Piscataway, NJ, US DOI: 10.1109/QOMEX.2009.5246985 ISBN: 978-1-4244-4370-3 abstract page 1, left-hand column, line 25 - line 30 page 3, left-hand column, line 7 - page 5, right-hand column, line 9 table 1 ----- -/--	1-13



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INTERNATIONAL SEARCH REPORT

International application No
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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.
A	GARCIA M N ET AL: "Normalization of subjective video test results using a reference test and anchor conditions for efficient model development", PROCEEDINGS OF THE SECOND INTERNATIONAL WORKSHOP ON QUALITY OF MULTIMEDIA EXPERIENCE (QOMEX 2010), 21 June 2010 (2010-06-21), pages 88-93, XP031714271, IEEE, Piscataway, NJ, US DOI: 10.1109/QOMEX.2010.5517960 ISBN: 978-1-4244-6959-8 abstract page 89, left-hand column, line 24 - right-hand column, line 19 * page 89, footnote 5 * page 90, right-hand column, line 8 - page 91, left-hand column, line 6 page 91, right-hand column, line 14 - page 92, left-hand column, line 17 table 2 -----	1-13
A	RAAKE A ET AL: "T-V-model: Parameter-based prediction of IPTV quality", PROCEEDINGS OF THE 2008 IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH AND SIGNAL PROCESSING (ICASSP 2008), 31 March 2008 (2008-03-31), pages 1149-1152, XP031250760, IEEE, Piscataway, NJ, US DOI: 10.1109/ICASSP.2008.4517818 ISBN: 978-1-4244-1483-3 cited in the application abstract page 1150, right-hand column, line 15 - page 1152, line 4 table 2 ----- -/--	1-13

INTERNATIONAL SEARCH REPORT

International application No

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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.
A	GARCIA M N ET AL: "Towards content-related features for parametric video quality prediction of IPTV services", PROCEEDINGS OF THE 2008 IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH AND SIGNAL PROCESSING (ICASSP 2008), 31 March 2008 (2008-03-31), pages 757-760, XP031250662, IEEE, Piscataway, NJ, US DOI: 10.1109/ICASSP.2008.4517720 ISBN: 978-1-4244-1483-3 abstract page 757, right-hand column, line 20 - page 758, right-hand column figure 1 tables 1,2 -----	2
A	JAVUREK R: "Efficient Models for Objective Video Quality Assessment", RADIOENGINEERING, PRAGUE, CZ, vol. 13, no. 4, December 2004 (2004-12), pages 48-50, XP002371070, ISSN: 1210-2512 abstract page 48, right-hand column, line 32 - line 39 page 50, left-hand column, line 5 - line 12 -----	5
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2011/063091

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2007071076 A1	28-06-2007	EP 1964408 A1	03-09-2008
		US 2008284853 A1	20-11-2008
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