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# Notice of Reasons for Refusal (PatentsApplication2014-514071)

## \* NOTICES \*

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2.\*\*\*\* shows the word which can not be translated.

#### Notice of Reasons for Refusal

Application number: Japanese Patent Application No. 2014-514071 Date of Drafting: Heisei 27(2015) January 5 Patent examiner: FURUKAWA, Tetsuya 9746 5C00 Representative/Applicant: ONO, Shinjiro (and 4 others) Applied Provisions: Article 29(2), Article 36

This application should be refused for the reason mentioned below. If the applicant has any opinion(s) against the reason, a written opinion should be submitted within 3 months from the date on which this notification was dispatched.

Reason

1. The claimed invention(s) listed below of this patent application shall not be granted a patent under the provision of Patent Act Article 29 (2) for the reason that the claimed invention(s) could have easily been made by persons who have common knowledge in the technical field to which the claimed invention(s) pertains, on the basis f the invention(s) described in the distributed publication listed below or made available to the public through electric telecommunication lines in Japan or other foreign c nt es p to the filing of the patent application.

Note (For the cited documents, please refer to the list of cited documents below.) CLAIMS -- :1-4, 6-8, 11-13, and 15-17 Cited document: 1 Remarks:

Paragraph [0020] in the cited document 1- [0023] And in FIG. 1,2, in a content distribution device, after a video frame is divided into a plurality of video blocks, 1 mac bl cks a plurality of macroblocks are converted into 1 video blocks. 1. A technique of transmitting 1 streams of video blocks, and a technique of hierarchically encoding and t ansm tt n the 1 video blocks as images having a plurality of resolutions, and the paragraph [0033]- [0038] In the present invention, there is described a technique to generate and t ansm t video division information including address information including a multicast address and port number assigned to the hierarchical video block, and position informat n the like according to coordinates of each video block in each hierarchical video block in a plurality of hierarchies for each video block. In addition, paragraph [0051] of the c ted document 1- [0086] And the thing for which the position of the request on the display on which the received image is displayed on Fig.3, and 7-10 in the content recept n equipment which receives image partition information is specified, There is described a technique of requesting a higher resolution data of a video block correspond n t position information of a designated position using a multicast address and a port number in the video division information, and receiving and displaying a higher es | t n video stream distributed by multicasting. Paragraph [0047] in the cited document 1- [0049] In addition, a technique to generate and transmit a multicast stream fo each hierarchical video block and a technique to transmit video division information at the same time as distribution of the multicast stream, and in the invention described n c ted document 1, are described. It could have been easily conceived by a person skilled in the art to transmit video division information by adding video division informat nt a stream of each hierarchical video block. Therefore, regarding Claims 1, and to 4,6,11, and to 13,15, a person skilled in the art could have easily conceived from the ne described in the cited document 1. 17. In distribution of the video stream, distribution is performed using the HTTP adaptive streaming protocol or the HTTP adapt ve st earn n protocol. It is a well-known art without citing the cited document to divide the stream into a time segment and to transmit the stream using the RTSP signaling messa e n wh ch the synchronization information is described. It could have been easily conceived by a person skilled in the art to adopt the configuration of the invention accordin t Cla m 7,8 by applying the well-known technique when distribution of a stream of hierarchical video blocks described in Cited Document 1 is performed.

### CLAIMS -- :5 and 14

#### Note : 1,2 Note :

Paragraph [0025] in the cited document 2- [0060] (Especially paragraph [0044]) - [0046] \*\* -- the technology added to an RTP header being described and setting the time stamp for performing the time synchronization of a receiving side to an invention described in Cited document 1, when distributing a streaming packet by an IP multicast It co Id have been easily conceived by a person skilled in the art to arrive at the configuration of the invention according to Claim 5,14 by using the technology described n the cited Document 2.

## CLAIMS -- :9 and 10

Note : 1-3 Note :

Paragraph [0006] in the cited document 3- [0011] And FIG. 7,8 describes a technique for reducing block distortion caused between blocks when coding is performed by dividing image data into a plurality of blocks, and in the invention described in Cited Document 1, a technique for reducing block distortion occurring between blocks is described. It c uld have been easily conceived by a person skilled in the art to make the configuration of the invention according to Claim 9,10 by using the technology described in cited d c ment 3 for the purpose of reducing block distortion when dividing a video stream by dividing a video stream into a plurality of blocks.

The list of cited documents etc. 1.JP 2009-212821A 2.JP 2007-324783A 3.JP 2010-154074A

2. This patent application does not fulfill the requirement of the provision of Patent Law Article 36(6)(ii) in terms of the item(s) listed below regarding the statement of the scope of claims.

### Note

(1) Although Claim 4 includes the description that "the second spatial expression includes a second number of spatial segment streams," the first spatial expression is "ncl ded in the first spatial expression."The term "second spatial expression" is described only in Claim 3 which is selectively cited, and in a case where Claim 4 does not refer t Claim 3, it is unclear what corresponds to what the "second spatial expression" corresponds to.

(2) In Claim 11, there is a description that "based on positioning information and the region of interest in the spatial segment data structure". There is no description of the "spatial segment data structure" before the description, and it is unclear what corresponds to what the "spatial segment data structure" corresponds to.

(3) Although Claim 12 includes the description of "determining the spatial segment frame," it is unclear whether the description is a "spatial segment frame" or what co esp nds to what corresponds to the "spatial segment frame".

(4) Although Claim 16 includes the description of "preferably, a spatial manifest data structure for use in the client according to any one of Claims 13 to 15," the descript n includes the description of Claim 1. The statement "preferably" is an expression that makes the technical scope of the invention unclear, and it is unclear whether or n t the description described in "for use in the client according to any one of Claims 13 to 15" is essential.

(5) Although Claim 17 is described as an invention relating to "a computer program product," the technical scope of a product expressed by the term "a computer prog am product" is unclear.

Therefore, the inventions according to Claims 4 to 12,16,17 are not clear.

Record of the result of prior art search

- Technical fields searched:

## IPC

H04N21/00-21/858 H04N19/00-19/98 - Prior art documents: International Publication No. WO2011/059273 The description of US Publication of Unexamined Patent Application No. 2009/0300692

This record is not a component(s) of the reason(s) for refusal.

Please contact the following, if there is an inquiry about the contents of this Notification of Reasons for Refusal. Fourth Examination Department Visual system FURUKAWA, Tetsuya TEL.03 (3581) 1101 Extension 3539 A Director General(p.p.), a Director(p.p.), an examiner, an assistant examiner, UMEMOTO, Tatsuo, FURUKAWA, Tetsuya, and 9648 9746