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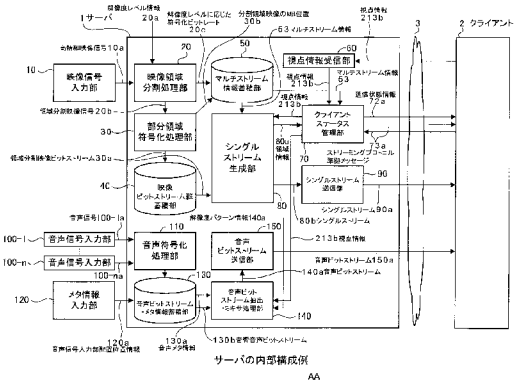
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(54) **Title**: TRANSMITTING APPARATUS, RECEIVING APPARATUS, TRANSMITTING METHOD, RECEIVING METHOD AND TRANSPORT SYSTEM

(54) 発明の名称 : 送信装置、受信装置、送信方法、受信方法及び伝送システム

[図4]



1 SERVER
2 CLIENT
10 IMAGE SIGNAL INPUT UNIT
10a HIGH-DEFINITION IMAGE SIGNAL
20 IMAGE AREA DIVIDING UNIT
20a RESOLUTION LEVEL INFORMATION
20b AREA DIVISION IMAGE SIGNALS
20c CODING BIT RATE CORRESPONDING TO RESOLUTION LEVEL
30 PARTIAL AREA CODING UNIT
30a AREA DIVISION IMAGE BIT STREAMS
30b MB POSITIONS OF DIVIDED-AREA IMAGES
40 IMAGE BIT STREAM GROUP ACCUMULATING UNIT
50 MULTI-STREAM INFORMATION ACCUMULATING UNIT
53 MULTI-STREAM INFORMATION
60 VIEW POINT INFORMATION RECEIVING UNIT
213b VIEW POINT INFORMATION
70 CLIENT STATUS MANAGING UNIT
72a TRANSMISSION STATUS INFORMATION
73a STREAMING-PROTOCOL-COMPLIANT MESSAGES
80 SINGLE-STREAM GENERATING UNIT
80a AREA INFORMATION
80b, 90a SINGLE STREAM
90 SINGLE STREAM TRANSMITTING UNIT
100-1, 100-n SOUND SIGNAL INPUT UNITS
100-1a SOUND SIGNAL
110 SOUND CODING UNIT
120 META INFORMATION INPUT UNIT
120a SOUND SIGNAL INPUT UNIT PLACEMENT POSITION INFORMATION
130 SOUND BIT STREAM/META INFORMATION ACCUMULATING UNIT
130a SOUND META INFORMATION
130b ACOUSTIC SOUND BIT STREAMS
140 SOUND BIT STREAM EXTRACTING/MIXING UNIT
140a SOUND BIT STREAMS
140a RESOLUTION PATTERN INFORMATION
150 SOUND BIT STREAM TRANSMITTING UNIT
150a SOUND BIT STREAM
AA EXEMPLARY INTERNAL STRUCTURE OF SERVER

(57) Abstract: The delivery of the high-definition image signal corresponding to an area a user desires to view can be achieved without increasing the load of processing in a transmitting apparatus. There are included an image area dividing unit (20) for dividing the image area of an input image signal into a given number of areas to generate area division image signals; and a coding unit (30) for coding the area division image signals to generate image bit streams. There are also included an image bit stream group accumulating unit (40) for accumulating a plurality of image bit streams; and a view point information receiving unit (60) for receiving view point information including the information of a view position transmitted from a receiving apparatus (2). Then, it has been arranged that an image bit stream corresponding to a first area defined by a view position and an image bit stream corresponding to a second area that is a peripheral area of the first area be extracted from the image bit stream group accumulating unit (40), thereby generating transport image bit streams to be transmitted to the receiving apparatus (2).

(57) 要約:

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