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13/165,710 21 June 2011 (21.06.2011) US(71) Applicant (for all designated States except US): **NET POWER AND LIGHT, INC.** [US/US]; 1169 Gorgas Avenue, Suite A, San Francisco, California 94129 (US).

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(54) Title: JUST-IN-TIME TRANSCODING OF APPLICATION CONTENT

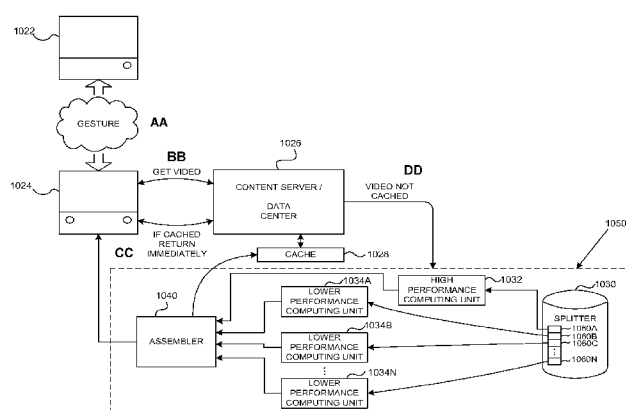


FIG. 17

(57) **Abstract:** The techniques discussed herein contemplate improved methods and systems for transcoding application content to minimize latency in just-in-time conversion of application formats. In embodiments, a target client device requests application content of a particular format from a content provider. If the content provider does not have a local copy of the requested format, the content is split to multiple segments and a first high-priority segment is identified. This first segment is converted using a dedicated high-performance computing unit and transmitted with minimal latency to the target client device for immediate rendering. Concurrently, remaining segments of the content are converted in multiple lower performance computing units and fed into the target client device. By ensuring that at least a first segment of the application is available for immediate rendering while other segments are converted, the transcoding application minimizes latency delay in rendering of the application in the target device.

A. CLASSIFICATION OF SUBJECT MATTER**G06Q 50/10(2012.01)i**

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)

G06Q 50/10; G06F 15/16; G06F 17/00; H04J 3/24

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: segment, convert, transcoding, media

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2011-0060792 A1 (EBERSVILLER MATTHEW R.) 10 March 2011 See abstract and claim 1.	1-29
A	US 2010-0027562 A1 (CARPIO FREDRIK et al.) 04 February 2010 See abstract and claim 1.	1-29
A	US 2004-0078392 A1 (TETSUO MORITA) 22 April 2004 See abstract and claim 1.	1-29
A	US 2009-0119362 A1 (MORIYA TAKEHIRO) 07 May 2009 See abstract and claim 1.	1-29



Further documents are listed in the continuation of Box C.



See patent family annex.

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"&" document member of the same patent family

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Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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