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(54) **Title:** SCALING REDUNDANCY ELIMINATION MIDDLEBOXES

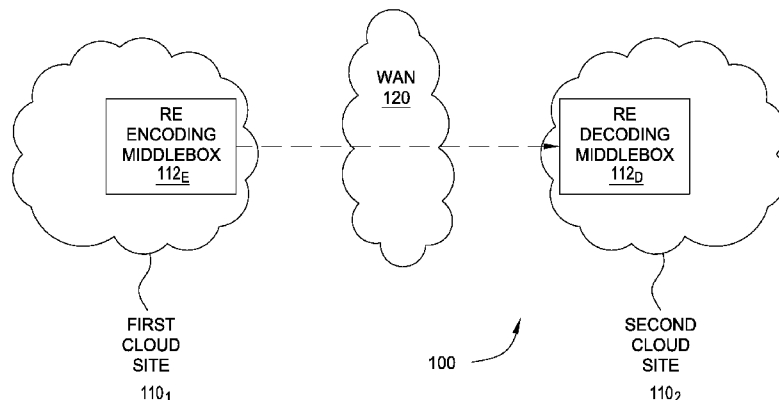


FIG. 1

(57) **Abstract:** A capability is provided for scaling Redundancy Elimination (RE) middleboxes. The RE middleboxes include an RE encoding middlebox and an RE decoding middlebox. The RE middleboxes may employ max-match-based RE techniques or chunk-match-based RE techniques. The RE middleboxes may utilize Distributed Hash Tables (DHTs) to maintain content stores, respectively. The RE middleboxes may be scaled for use with cloud applications (e.g., for use in transfer of data between a customer network and a cloud side, for use in transfer of data between two cloud sites, or the like).



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A. CLASSIFICATION OF SUBJECT MATTER
INV. H04L29/08 G06F17/30
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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
H04L G06F

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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	GB 2 473 409 A (QUANTUM CORP [US]) 9 March 2011 (2011-03-09) abstract paragraph [0001] - paragraph [0006] paragraph [0014] - paragraph [0034]; figures 1-3 paragraph [0037] - paragraph [0048]; figures 4,5 paragraph [0058] - paragraph [0059] ----- -/--	1,2,21, 22 3-20

Further documents are listed in the continuation of Box C.

See patent family annex.

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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Gavriliu, Bogdan

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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.
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A	US 2012/084262 A1 (DWARAMPUDI RAMA NAGA BHEEMESWARA REDDY [US] ET AL) 5 April 2012 (2012-04-05) paragraphs [0038], [0055], [0060]; figures 1,2,4 paragraph [0091] - paragraph [0132]; figures 5-10 -----	1-22

INTERNATIONAL SEARCH REPORT

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