Abstract: Embodiments of the present invention pertain to systems and methods for implementing a platform to support multimedia services peering with multiple independent competing parties, such as carriers or service providers. More particularly, certain embodiments of the invention pertain to deployment of the same physical platform or device by using soft- and hard- virtual separation of resources. Each party is allowed to retain full control over its logical resources space, even when a party is not using any of its resources. However, the multimedia multi-party peering provider maintains complete overview of the utilization of resources by each party via an active monitoring and enforcing method.

Figure 1: Multimedia Multi-Party Peering (M2P2) using Virtualized Resources (Processing to Storage to Bandwidth)
A. CLASSIFICATION OF SUBJECT MATTER

G06F 15/16(2006.01)i, G06F 9/06(2006.01)1, G06F 21/20(2006.01)1

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)
G06F 15/16; G06F 9/54; G06F 9/455; G06F 9/50

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: virtual, peer, allocate, resource

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
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<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
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| X        | US 2008-0196043 AI (FEINLEIB DAVID et al.) 14 August 2008
          | See paragraphs [0034]-[0037], [0051H0052], [0063]-[0075], [0101H0106], claims 1, 13, 21, and figures 1,5, 10a-10d, 13a-14b. |

A        | US 2006-0294517 AI (VINCENT ZIMMER et al.) 28 December 2006
          | See paragraphs [0021]-[0025], claim 1,17, and figures 2,7a. |

A        | US 2010-0242045 AI (SWAMY SUMEDHA K. et al.) 23 September 2010
          | See paragraphs [0004]-[0016]-[0023], claims 9-10, and figures 1-2. |

Further documents are listed in the continuation of Box C. See patent family annex.

Date of the actual completion of the international search
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Date of mailing of the international search report
30 MAY 2012 (30.05.2012)

Name and mailing address of the ISA/KR
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e Ho J, Jinho
Telephone No. 042 481 5406

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