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(54) Title: HIGH PERFORMANCE ETHERNET NETWORKING UTILIZING EXISTING FIBRE CHANNEL FABRIC HBA

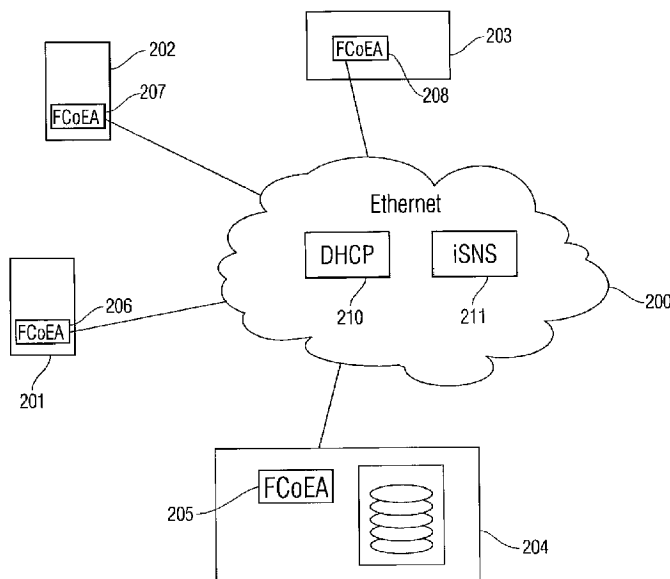


Fig. 2

(57) Abstract: This is directed to providing Fibre Channel over Ethernet communication. For example a Fibre Channel over Ethernet (FCoE) enabled device (such as a computer) may include a Fibre Channel over Ethernet Adapter (FCoEA). The FCoEA may include an HBA module. The HBA module may be configured to communicate over the Fibre Channel protocol. The FCoE enabled device may process and encapsulate the HBA module's communication in order to send them over an Ethernet network instead. The FCoE enabled device may process communications directed to various Fibre Channel fabric services by utilizing existing Ethernet services, such as an iSNS server. Thus, the FCoE enabled device can emulate a Fibre Channel network for the HBA module using the Ethernet network and one or more Existing Ethernet services/servers.



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<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC(8) - G06F15/16 (2009.01) USPC - 709/236 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Patbase		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X ----- Y	US 6,400,730 B1 (LATIF et al) 04 June 2002 (04.06.2002) entire document	1- 3, 5-9, 11-13, 15-18, 20-24, 26-28, 30-32, 34- 40, 43-46 ----- 4, 10, 14, 19, 25, 29 33, 41-42
Y	US 2005/0010688 A1 (MURAKAMI et al) 13 January 2005 (13.01.2005) entire document	4, 10, 14, 19, 25, 29
Y	US 2006/0251067 A1 (DESANTI et al) 09 November 2006 (09.11.2006) entire document	33, 41-42
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