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(71) Applicants and
(72) Inventors: **CHEN, Dong** [CN/US]; 15 Scenic Drive, Apt. K, Croton-On-Hudson, NY 10520 (US). **COTEUS, Paul, W.** [US/US]; 2742 Quinlan Street, Yorktown Heights, NY 10598 (US). **GARA, Alan, G.** [US/US]; 38 Marion Avenue, Mount Kisco, NY 10549 (US). **GIAMPAPA, Mark, E.** [US/US]; 140 North Broadway, Apt. GT-14, Irvington, NA 10533 (US). **TAKKEN, Todd, E.** [US/US]; 118 Foxwood Circle, Mount Kisco, NY 10549 (US).

(74) Agents: **GROLZ, Edward, W.** et al.; Scully, Scott, Murphy & Presser, 400 Garden City Plaza, Garden City, NY 11530 (US).

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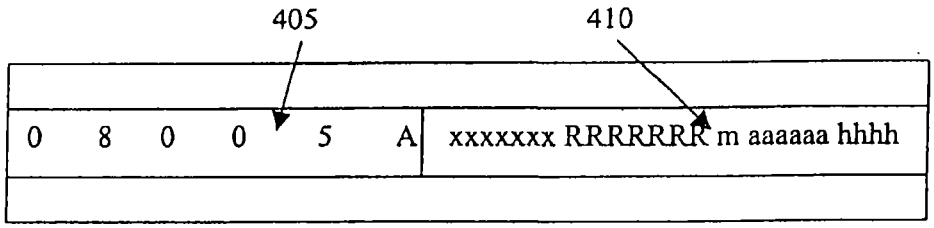
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(54) Title: ETHERNET ADDRESSING VIA PHYSICAL LOCATION FOR MASSIVELY PARALLEL SYSTEMS



MAC ADDRESS 400

(57) Abstract: In a massively parallel system, a method and apparatus for uniquely assigning a MAC address(400) to a device encodes the MAC address with a physical location of the device(410). The method and apparatus include configuring device interconnections of the parallel system with physical topological information such as a rack number, a midplane number, a card number, and a chip number. A device or node with a physical location encoded MAC address may then be interrogated by location for test, diagnostic, and program loading purposes.

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