

US 20020006032A1

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2002/0006032 A1

(43) **Pub. Date: Jan. 17, 2002**

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(54) LOW-PROFILE REGISTERED DIMM

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(21) Appl. No.: **09/758,791**

(22) Filed: Jan. 11, 2001

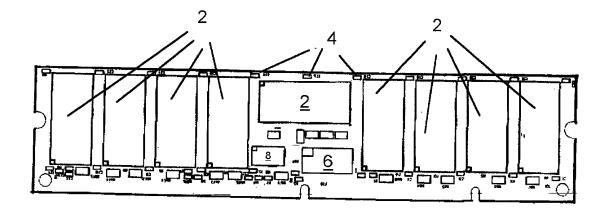
Related U.S. Application Data

(63) Non-provisional of provisional application No. 60/206,287, filed on May 23, 2000.

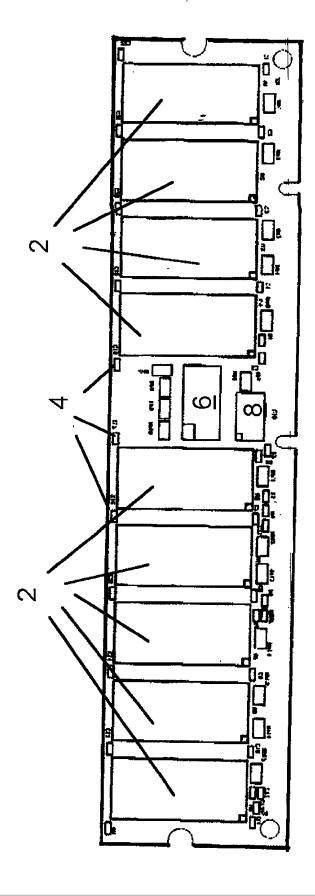
Publication Classification

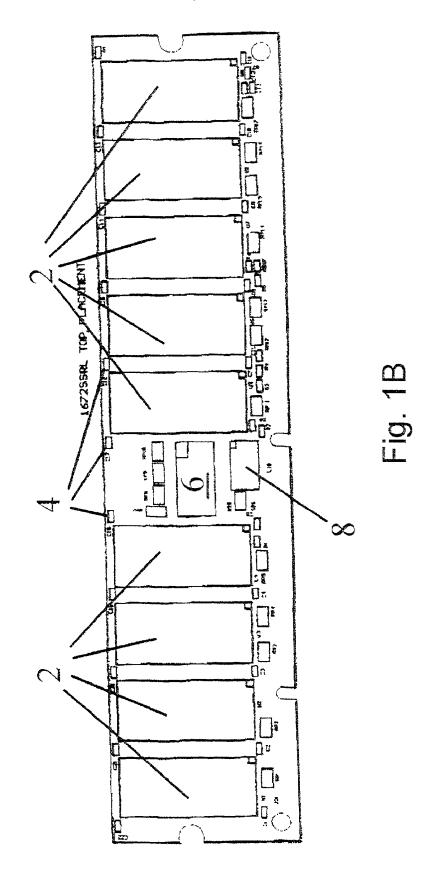
(57) ABSTRACT

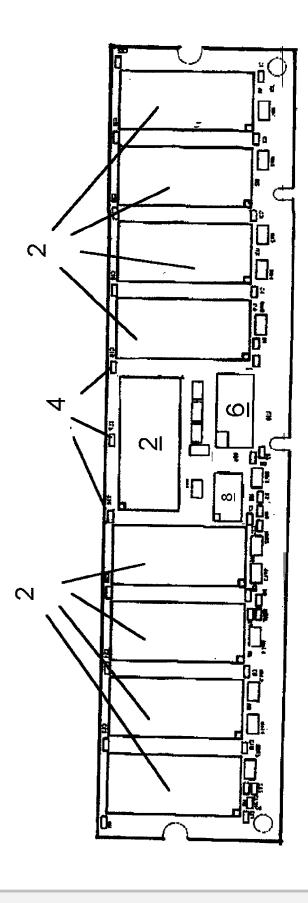
A low profile, registered DIMM has a height of about 1.2 inches, and a width of about 5.25 inches. This reduced size is accomplished by arranging the SDRAMs into a left group and a right group within a single row, with a space between the groups into which all other major components are disposed. In addition, the pad extensions beyond the SDRAM pins are maintained at about 0.1 mm, the footprints of the pads to accept the SDRAMs are a minimum of 11.76 mm, as measured by the lengthwise distance from the first pad in a footprint to the pad furthest away, and the space between adjacent pads is between 0.127 mm and 0.750 mm.



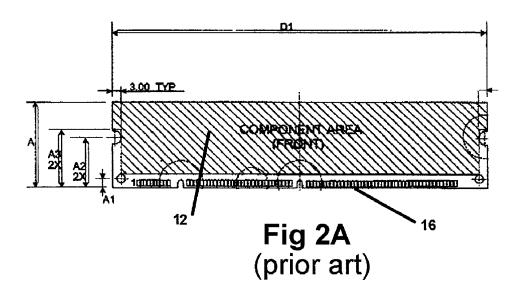


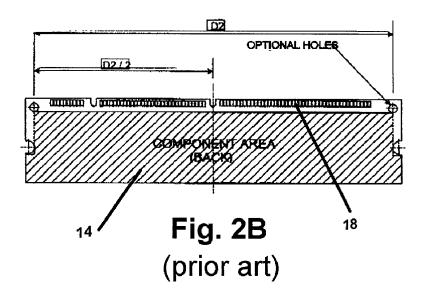












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