

SYSTEM AND METHOD FOR PERSISTENT AND ROBUST STORAGE ALLOCATION

ABSTRACT

A method for managing computer memory, in accordance with the present invention, includes maintaining multiple sets of free blocks of memory wherein a free block is added to a set based on its size. In response to a request for a block of request size, a set of blocks is searched for a free block which is at least as large as the request size but smaller than the request size plus a threshold. If such a block is found, the block is allocated in its entirety.

Fig 8.