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(54) Title: INSTRUCTION TO COMPUTE THE DISTANCE TO A SPECIFIED MEMORY BOUNDARY

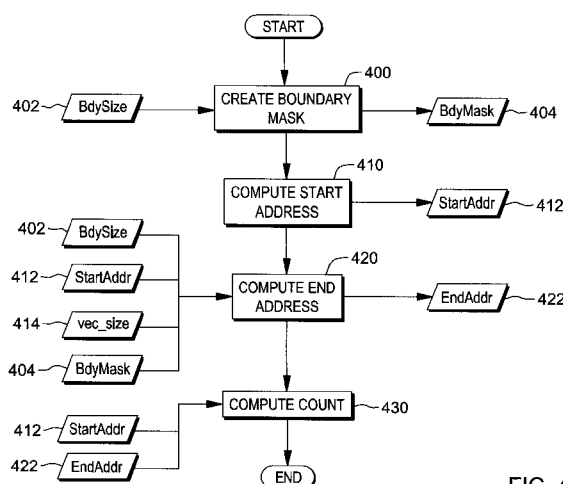


FIG. 4

(57) Abstract: A Load Count to Block Boundary instruction is provided that provides a distance from a specified memory address to a specified memory boundary. The memory boundary is a boundary that is not to be crossed in loading data. The boundary may be specified a number of ways, including, but not limited to, a variable value in the instruction text, a fixed instruction text value encoded in the opcode, or a register based boundary; or it may be dynamically determined.