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(54) **Title:** DECIMAL SHIFT AND DIVIDE INSTRUCTION

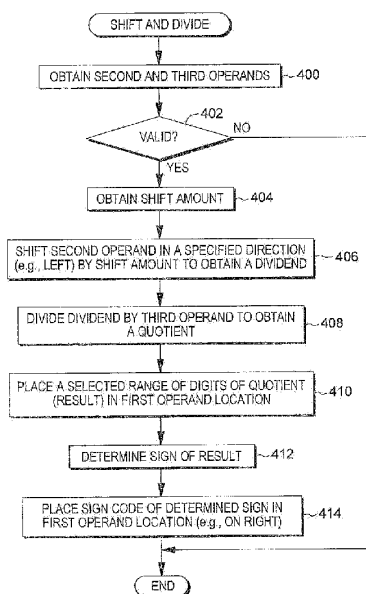


FIG. 4

(57) **Abstract:** An instruction to perform a shift and divide operation is executed. The executing includes shifting a value in a specified direction by a selected amount to provide a dividend, the selected amount being user-defined. The dividend is divided by a divisor to obtain a quotient. At least a subset of the quotient is selected as a result. The result is to be used in processing within the computing environment.

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