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(54) Title: VECTOR STRING SEARCH INSTRUCTION

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VECTOR STRING SEARCH

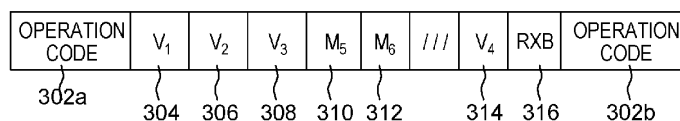


FIG. 3

(57) Abstract: An instruction is provided for performing a vector string search. The instruction to be processed is obtained, with the instruction being defined to be a string search instruction to locate occurrence of a substring within a string. The instruction is processed, with the processing including searching the string specified in one operand of the instruction using the substring specified in another operand of the instruction. Based on the searching locating a first full match of the substring within the string, a full match condition indication is returned with position of the first full match in the string, and based on the searching locating only a partial match of the substring at a termination of the string, a partial match condition indication is returned, with the position of the partial match in the string.

