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(54) Title: METHOD AND APPARATUS FOR MOVING SELECT NON-CONTIGUOUS BYTES OF PACKED DATA IN A SINGLE INSTRUCTION

(57) Abstract

A method comprises a single instruction (1104) having a first operand identifying a plurality of bytes of packed data (701, 720, 730, 740) and second operand identifying a corresponding plurality of byte masks. Each of the plurality of byte masks identified by the second operand of the single decoded instruction are analyzed, wherein select bytes of the plurality of bytes identified by the first operand are moved to an implicitly defined location based, at least in part, on the analysis of the individual byte masks identified by the second operand of the single decoded instruction.

