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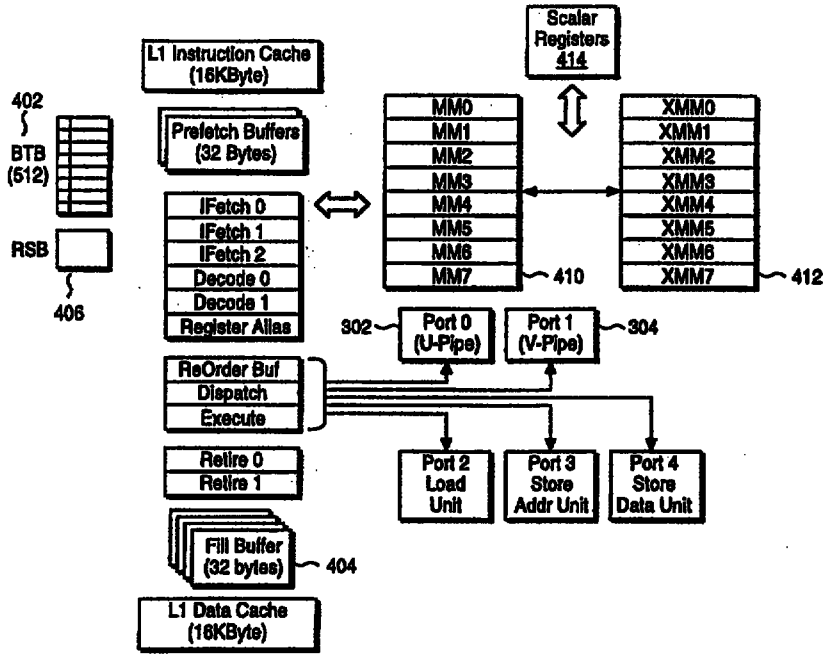
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(54) Title: CONVERSION BETWEEN PACKED FLOATING POINT DATA AND PACKED 32-BIT INTEGER DATA IN DIFFERENT ARCHITECTURAL REGISTERS



(57) Abstract

A method and instruction for converting a number between a floating point format and an integer format are described. Numbers are stored in the integer format in a register of a first set of architectural registers (410) in a packed format. At least one of the numbers in the integer format is converted to at least one number in the floating point format. The numbers in the floating point format are placed in a register of a second set of architectural registers (412) in a packed format.