ABSTRACT

(Figure 1)

ROTATORS IN MACHINE INSTRUCTION LENGTH CALCULATION

A circuit for determining the length of an instruction including apparatus for providing a sequence of instruction bytes greater than a single instruction length, rotator apparatus for selecting a sequential number of instruction bytes for decoding commencing at a byte which begins a first instruction, control apparatus for operating the rotator, and apparatus responsive to a decoded length value derived from the first instruction for causing the control apparatus to cause the rotator to rotate to the beginning of a next instruction.