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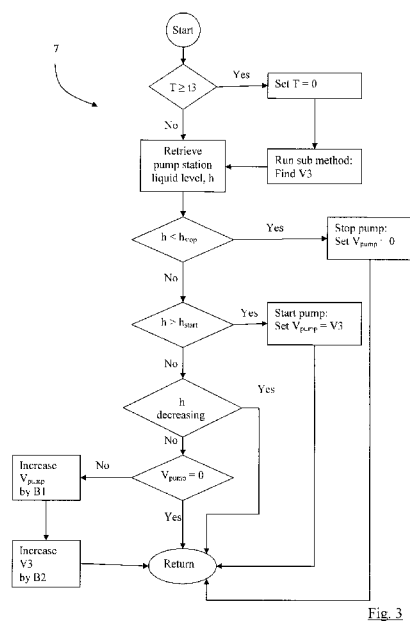
(54) **Title:** METHOD FOR CONTROLLING AT LEAST A PART OF A PUMP STATION

Fig. 3

(57) **Abstract:** The invention relates to a method for controlling at least a part of a pump station comprising a number of speed controlled pumps, the method is arranged to minimize the specific energy consumption E_{spec} of said at least a part of a pump station and comprises a sub method, which in turn comprises the steps of: obtaining input data, determining the mutual relative relationships between a first value A1 of a quantity corresponding to a first pump speed V1 and a second value A2 of said quantity corresponding to a second pump speed V2, and between a first specific energy consumption E_{spec1} and a second specific energy consumption E_{spec2} , and determining a third value A3 of said quantity corresponding to a third pump speed V3, wherein A3 is set equal to A2-B3 if the conditions $A2 < A1$ and $E_{spec2} < E_{spec1}$ are satisfied, A3 is set equal to A2+B4 if the conditions $A2 > A1$ and $E_{spec2} < E_{spec1}$ are satisfied, A3 is set equal to A2+B5 if the conditions $A2 < A1$ and $E_{spec2} > E_{spec1}$ are satisfied, and A3 is set equal to A2-B6 if the conditions $A2 > A1$ and $E_{spec2} > E_{spec1}$ are satisfied, wherein B3, B4, B5, and B6 are parameters of said quantity.