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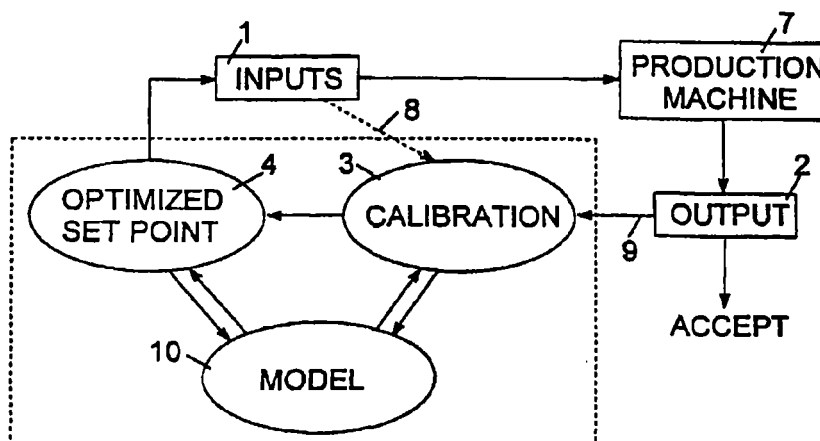
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(54) Title: METHOD FOR FINDING OPTIMAL SET-POINTS FOR MACHINES AND PROCESSES



(57) Abstract: The invention relates to a method for optimizing a machine set-point which comprises the steps of: (a) defining allowed ranges for the properties of the output product, the ranges of the possible machine set-points and optimal set-point criteria; (b) carrying out calibration of the model of the machine for finding updated constants for the machine model; (c) using the updated constants in the machine model, finding all set-points that will provide a product whose properties are within the allowed ranges; (d) carrying out an optimization procedure to find from all the set-points found in step c, one optimized set-point; (e) operating the machine at the optimized set-point found in step d, and obtaining a new output product; (f) comparing the properties of the new output product to the allowed ranges; (g) if the properties of the output product are within allowed ranges, the new set-point is found, and the procedure is successfully finished; and, (h) if the properties of the output product are out of said allowed ranges, repeating the procedure from step b.



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