

Title (en)
AUTOMATED SYSTEM FOR CONTROLLING THE BLOOD GLUCOSE LEVEL OF A PATIENT

Title (de)
AUTOMATISIERTES SYSTEM ZUR KONTROLLE DES BLUTZUCKERSPIEGELS EINES PATIENTEN

Title (fr)
SYSTÈME AUTOMATISE DE RÉGULATION DE LA GLYCÉMIE D'UN PATIENT

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Application
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Abstract (en)
[origin: CA3037658A1] The invention concerns a blood glucose level control system, comprising: a blood glucose level sensor (101); an insulin injection device (103); and a treatment and control unit (105) predicting the future development of the blood glucose level from a physiological model and consequently controlling the insulin injection device (103), in which the treatment and control unit (105) is suitable for: a) implementing a calibration of the model, taking into account a measured blood glucose level history; b) after the calibration step, determining if the model is satisfactory from at least one digital indicator representative of the discrepancy between the blood glucose level estimated from the model and the actual blood glucose level measured by the sensor (101); and c) if the quality of the model is not satisfactory, controlling the insulin injection device (103) without taking into account the predictions made from the model.

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