

Title (en)
PERSONALIZED CLOSED LOOP OPTIMIZATION SYSTEMS AND METHODS

Title (de)
SYSTEME UND VERFAHREN FÜR PERSONALISIERTE REGELKREISOPTIMIERUNG

Title (fr)
SYSTÈMES ET PROCÉDÉS D'OPTIMISATION DE BOUCLE FERMÉE PERSONNALISÉE

Publication
EP 3935646 A1 20220112 (EN)

Application
EP 20724639 A 20200416

Priority
• US 201916386104 A 20190416
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• US 2020028461 W 20200416

Abstract (en)
[origin: WO2020214780A1] A medical device system and related methods of automatically adjusting control parameters of a medical device are disclosed. One method involves obtaining data pertaining to a physiological condition of a patient during operation of the medical device in accordance with the operating mode, determining a plurality of adjusted values for the control parameter based at least in part on the data, determining a respective cost associated with each respective adjusted value for the control parameter based at least in part on the data using a cost function, identifying, from among the plurality of adjusted values, an optimized value from among the plurality of adjusted values, wherein the optimized value has a minimum cost associated therewith from among the plurality of costs, and updating the control parameter at the medical device to the optimized value.

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CPC (source: EP)
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Citation (search report)
See references of WO 2020214780A1

Cited by
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US 2020028461 W 20200416; CN 202080027737 A 20200416; EP 20724639 A 20200416