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(54) **INFUSION DEVICES AND RELATED PATIENT RATIO ADJUSTMENT METHODS**

(57) Disclosed herein are techniques related to carbohydrate ratio adjustments based on residual glucose values. In some embodiments, the techniques may involve identifying a residual glucose value based on a pre-bolus glucose value and a post-bolus glucose value. The pre-bolus glucose value may be measured prior to delivery of a bolus amount of insulin, and the post-bolus glucose value may be measured after delivery of the bo-

lus amount of insulin. The bolus amount may be influenced by an initial value for a carbohydrate ratio. The techniques may further involve determining an updated value for the carbohydrate ratio by adjusting the initial value to compensate for the residual glucose value. Additionally, the techniques may involve storing the updated value for the carbohydrate ratio.

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EUROPEAN SEARCH REPORT

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Place of search <b>Munich</b>		Date of completion of the search <b>8 August 2023</b>	Examiner <b>Preller, Daniel</b>
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