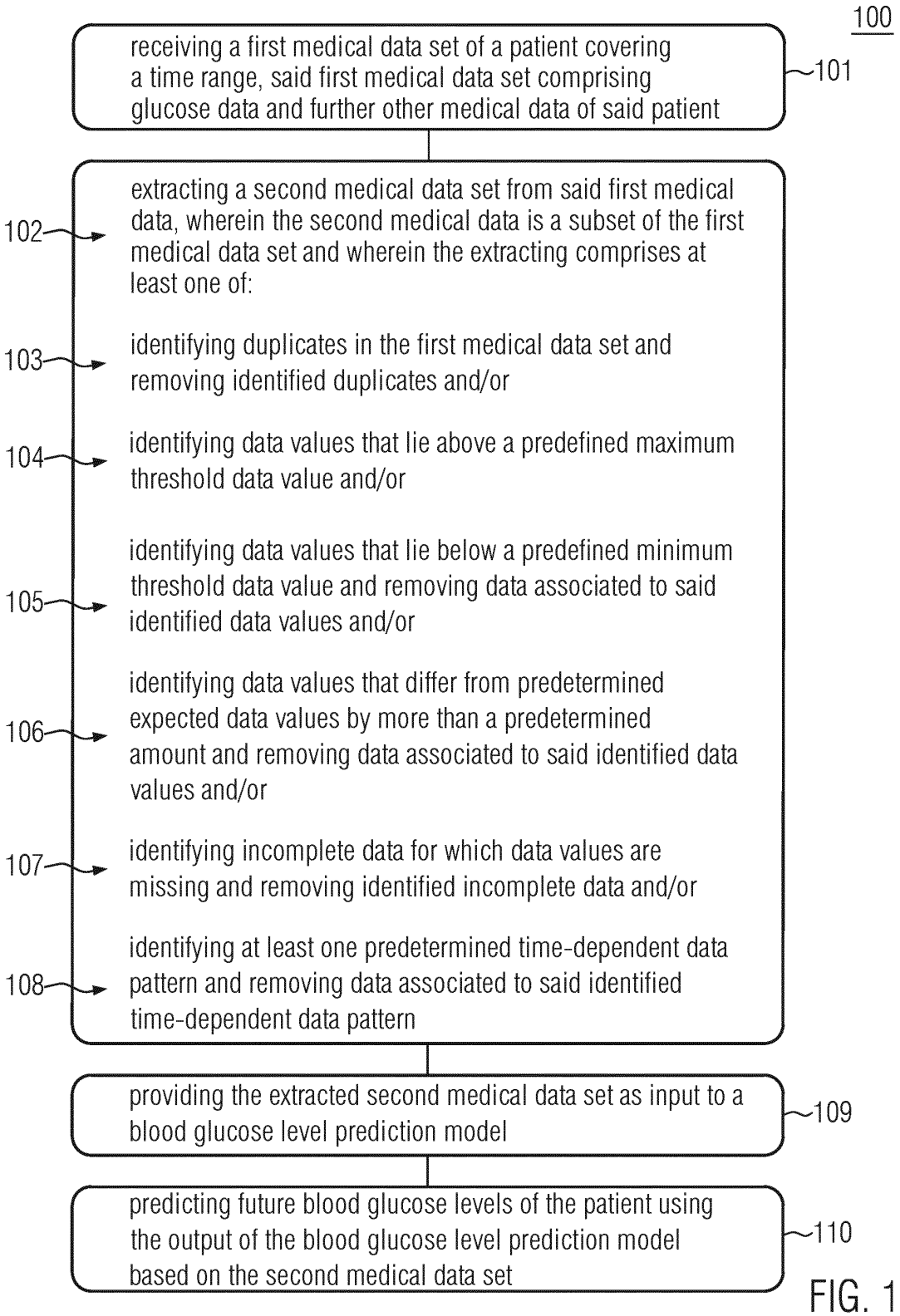

100
receiving a first medical data set of a patient covering a time range, said first medical data set comprising glucose data and further other medical data of said patient
101
extracting a second medical data set from said first medical data, wherein the second medical data is a subset of the first medical data set and wherein the extracting comprises at least one of:
102
identifying duplicates in the first medical data set and removing identified duplicates and/or
103
identifying data values that lie above a predefined maximum threshold data value and/or
104
identifying data values that lie below a predefined minimum threshold data value and removing data associated to said identified data values and/or
105
identifying data values that differ from predetermined expected data values by more than a predetermined amount and removing data associated to said identified data values and/or
106
identifying incomplete data for which data values are missing and removing identified incomplete data and/or
107
identifying at least one predetermined time-dependent data pattern and removing data associated to said identified time-dependent data pattern
108
providing the extracted second medical data set as input to a blood glucose level prediction model
109
predicting future blood glucose levels of the patient using the output of the blood glucose level prediction model based on the second medical data set
110

FIG. 1

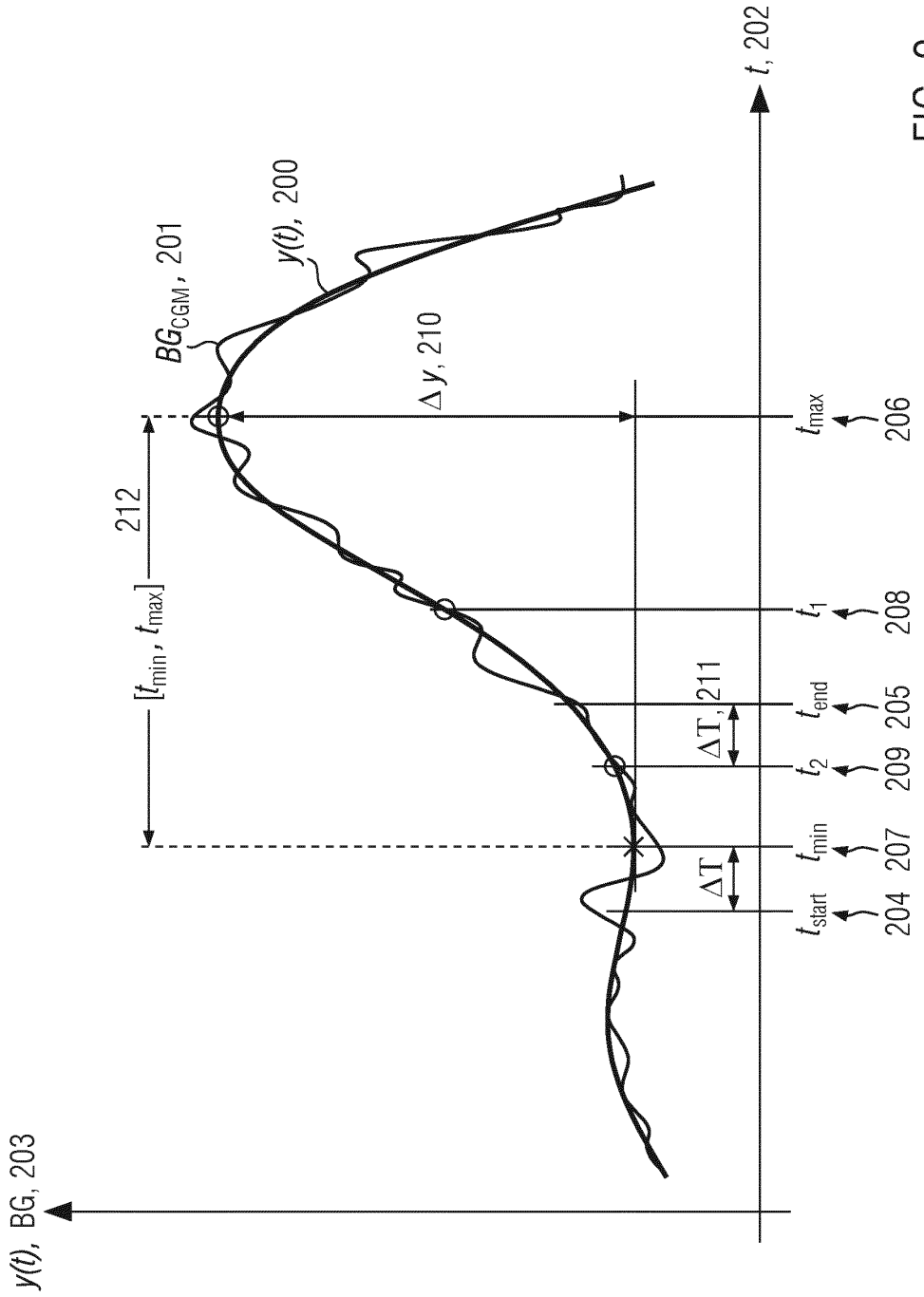

y(t), BG, 203
t, 202
y(t), 200
BG_CGM, 201
Δ y, 210
212
[t_min, t_max]
t_max 206
t_1 208
t_end 205
ΔT, 211
t_2 209
t_min 207
ΔT
t_start 204

FIG. 2

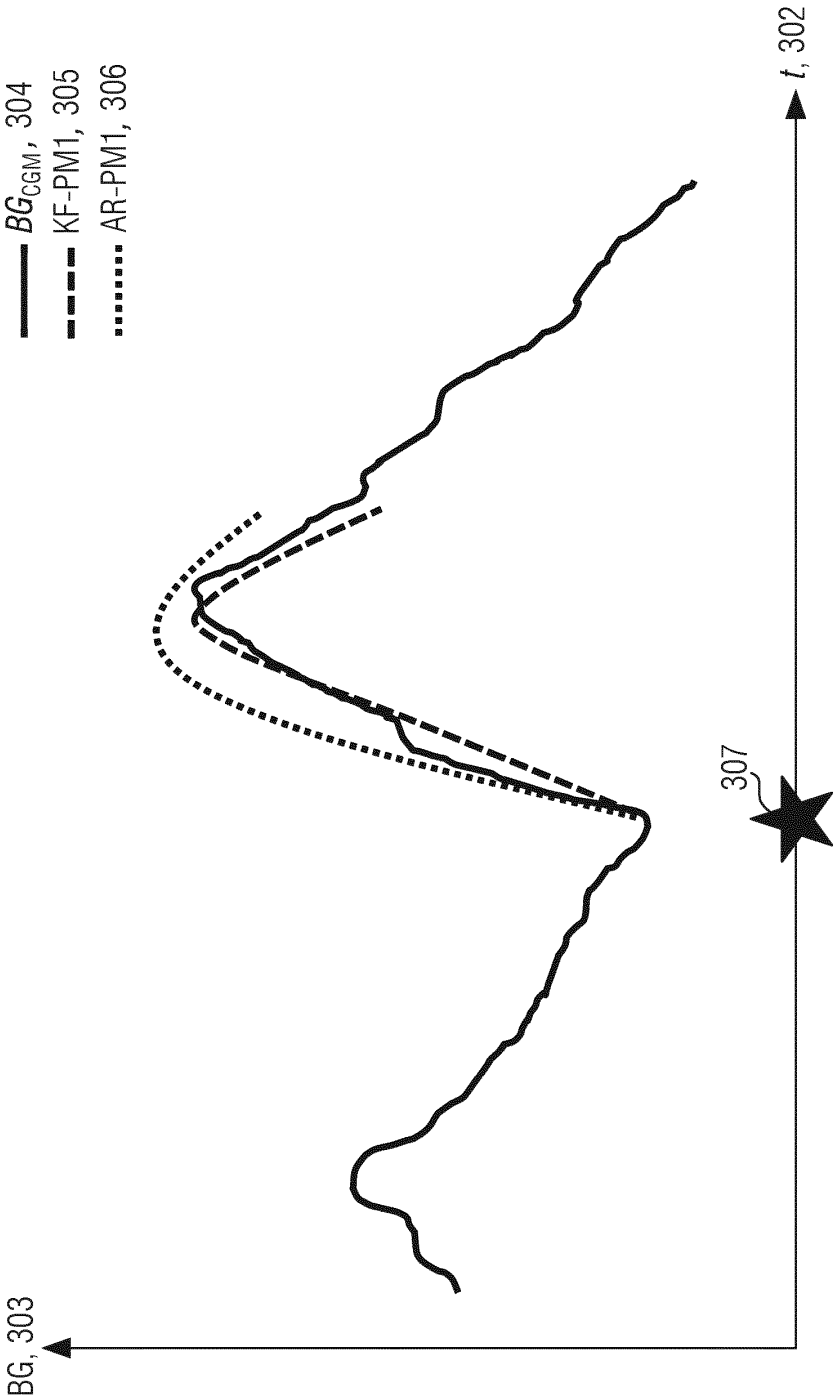


FIG. 3