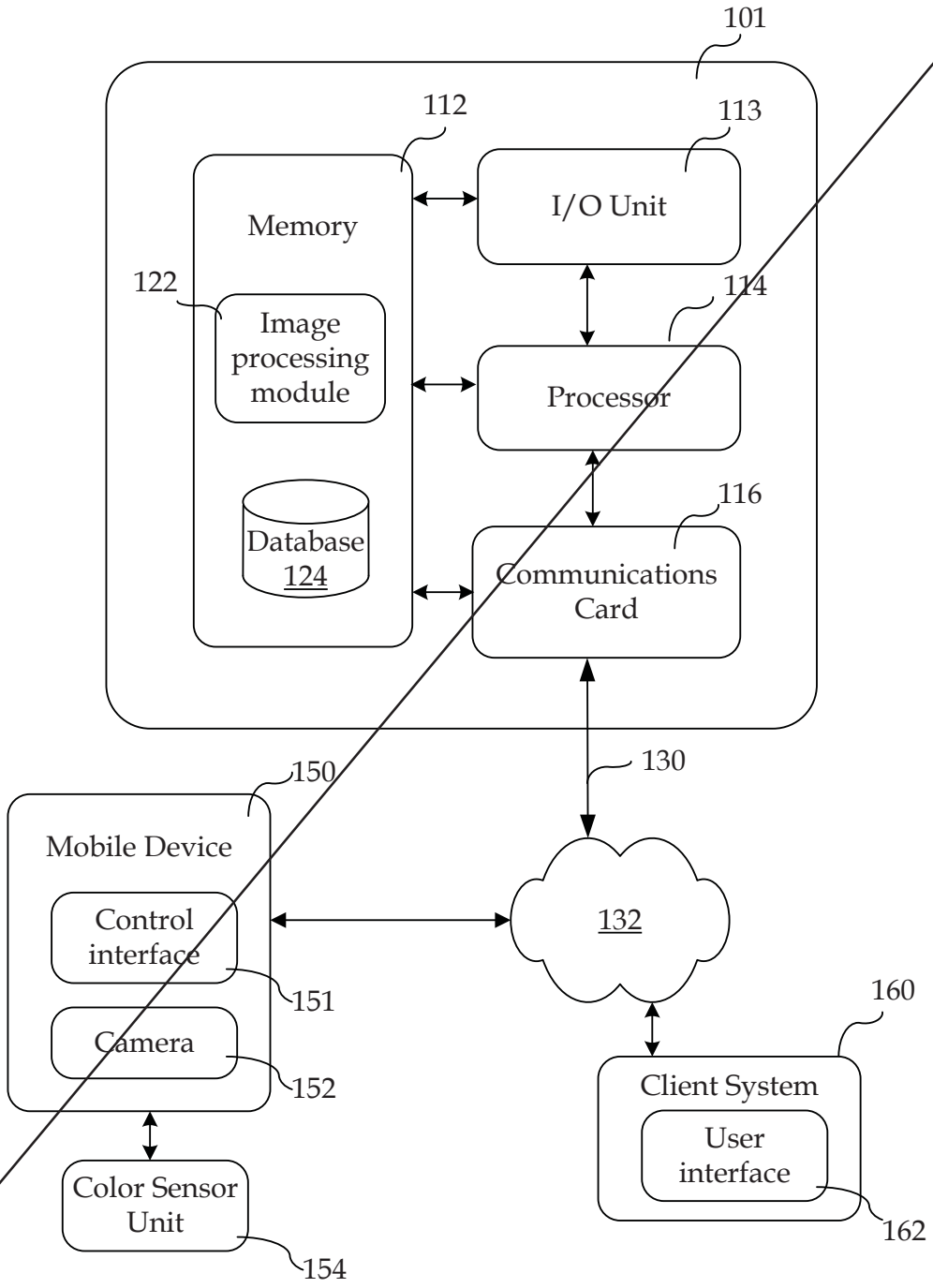

101
112
113
Memory
I/O Unit
122
Image processing module
114
Processor
116
Database 124
Communications Card
130
150
Mobile Device
132
Control interface
151
Camera
152
160
Client System
User interface
162
Color Sensor Unit
154
100

Fig. 1

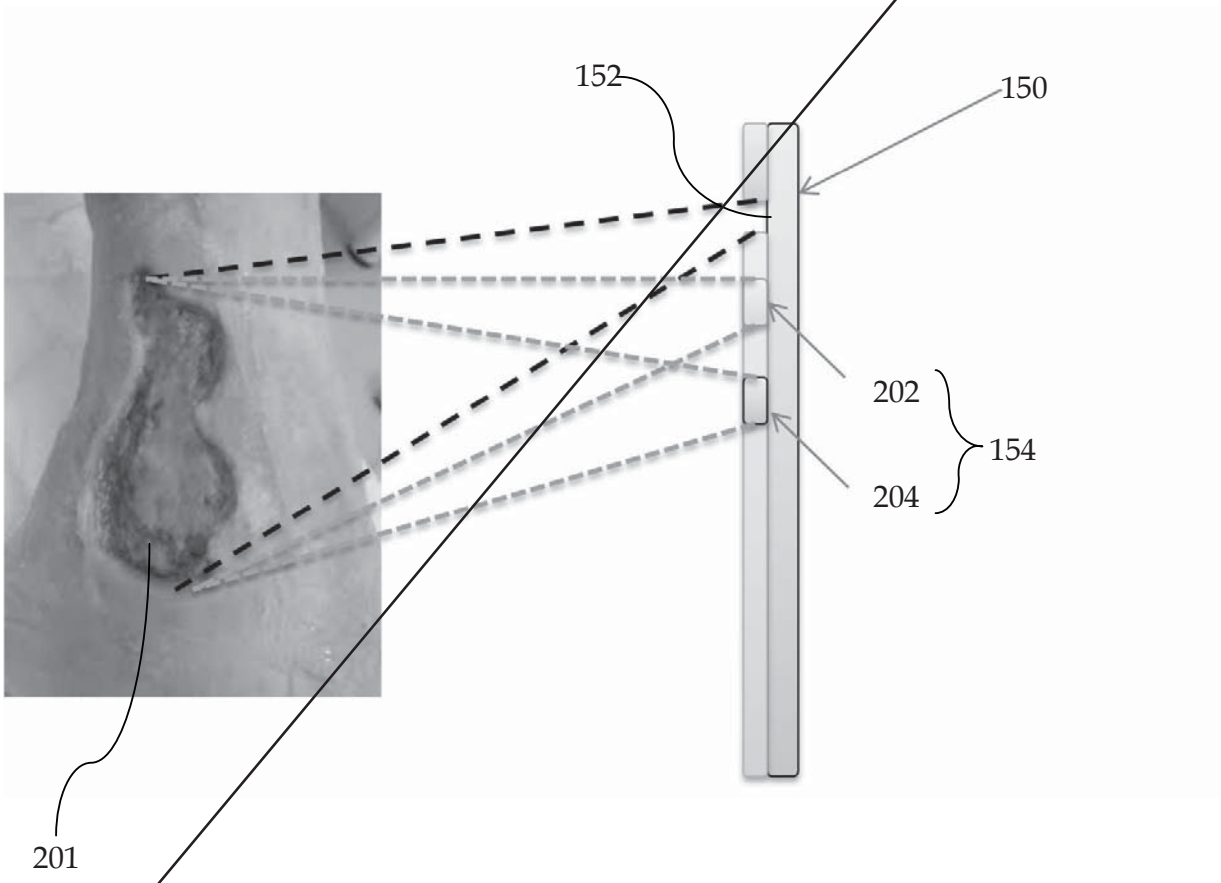
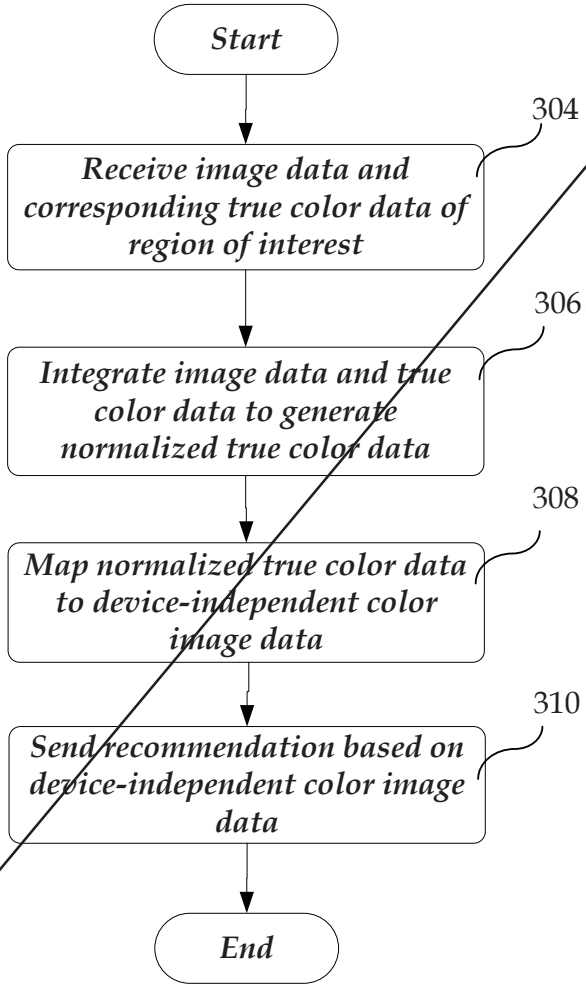


Fig. 2


Start
304
Receive image data and corresponding true color data of region of interest
306
Integrate image data and true color data to generate normalized true color data
308
Map normalized true color data to device-independent color image data
310
Send recommendation based on device-independent color image data
End

300

Fig. 3

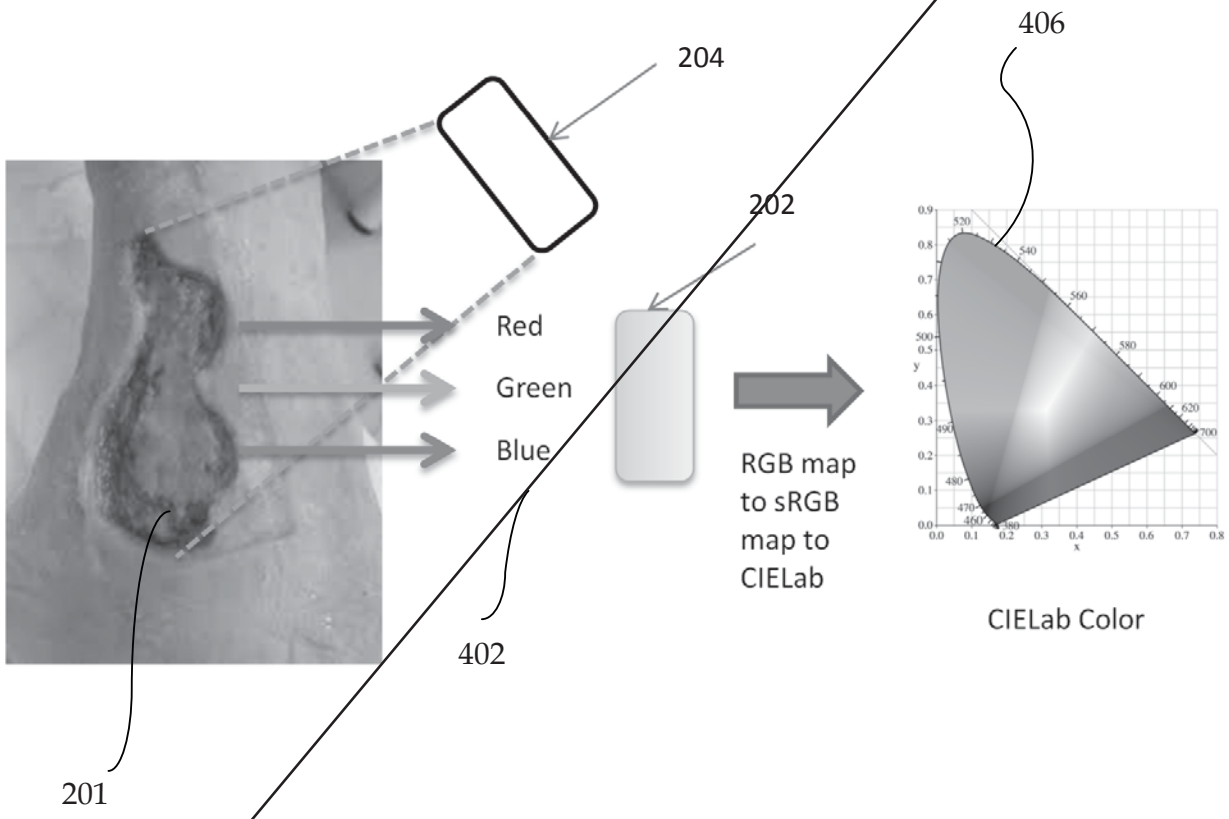

406
204
202
Red
Green
Blue
RGB map to sRGB map to CIELab
CIELab Color
402
201

Fig. 4

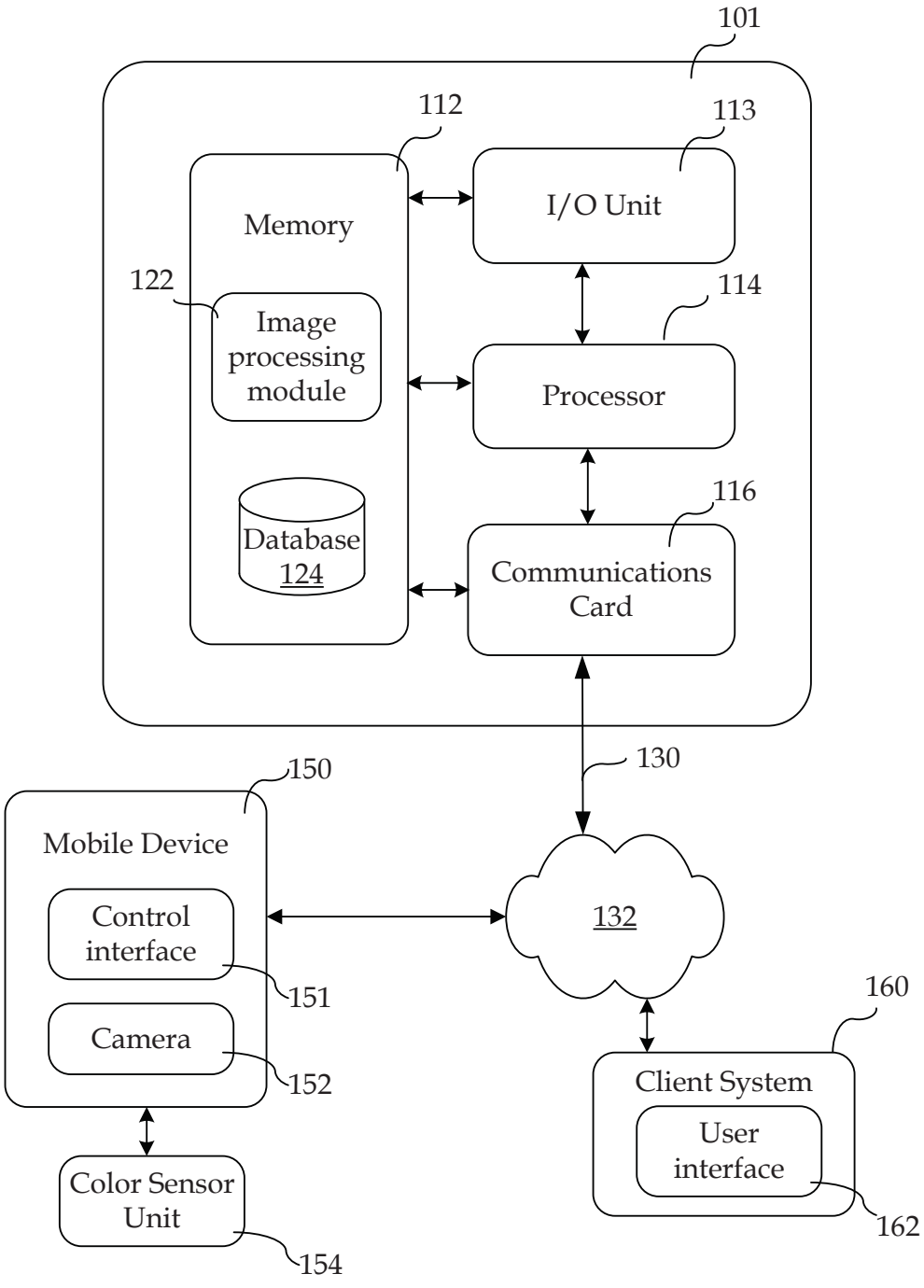

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Fig. 1

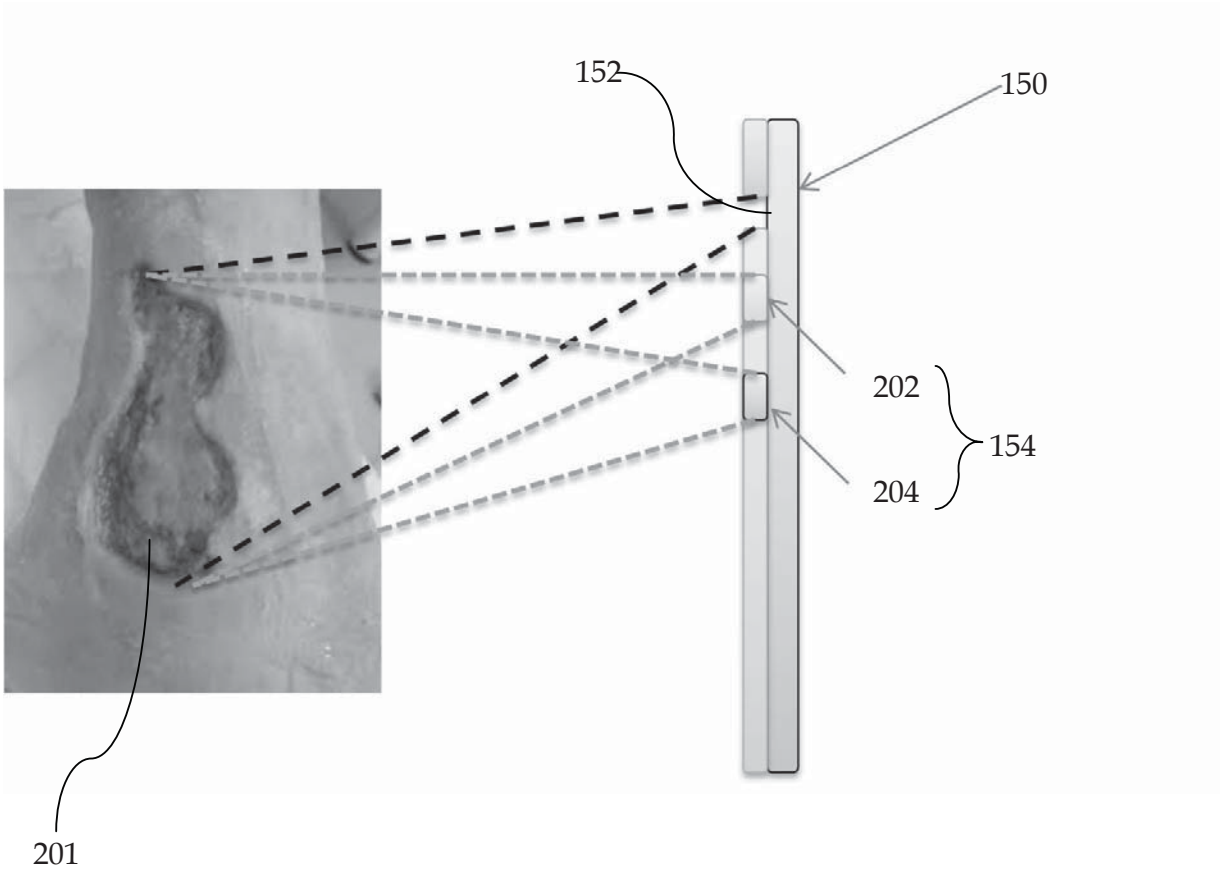
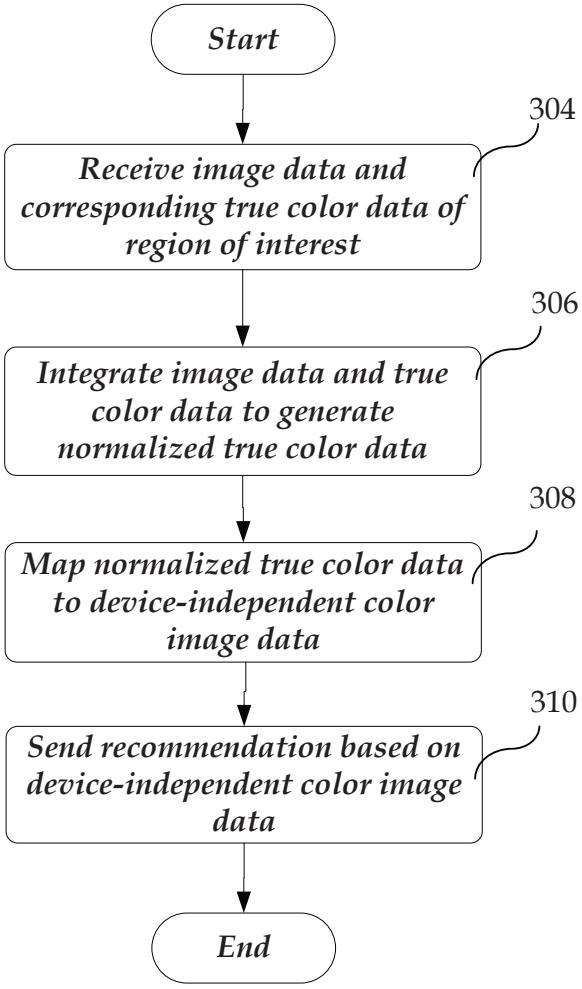


Fig. 2


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End

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Fig. 3

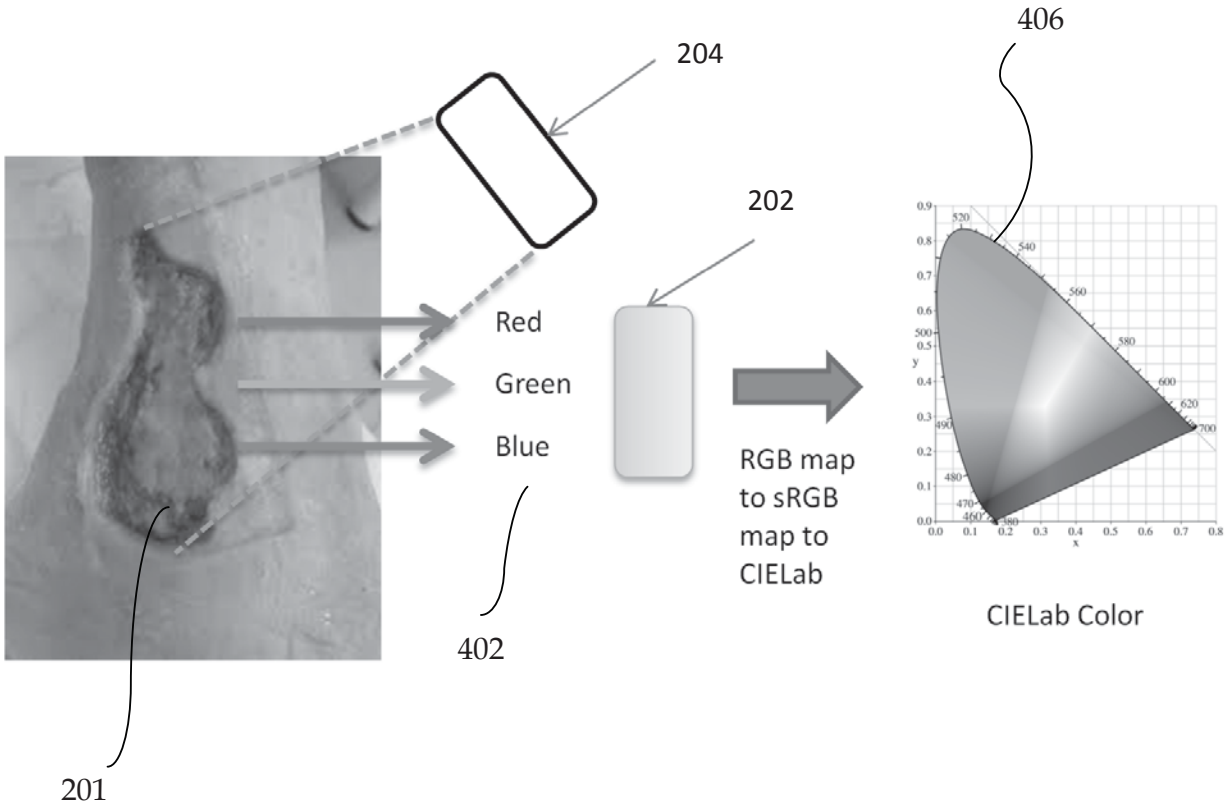

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to sRGB
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Fig. 4