

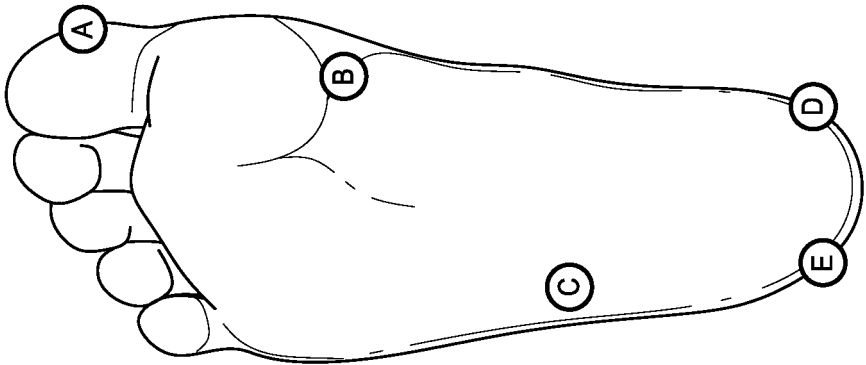


FIG. 1B

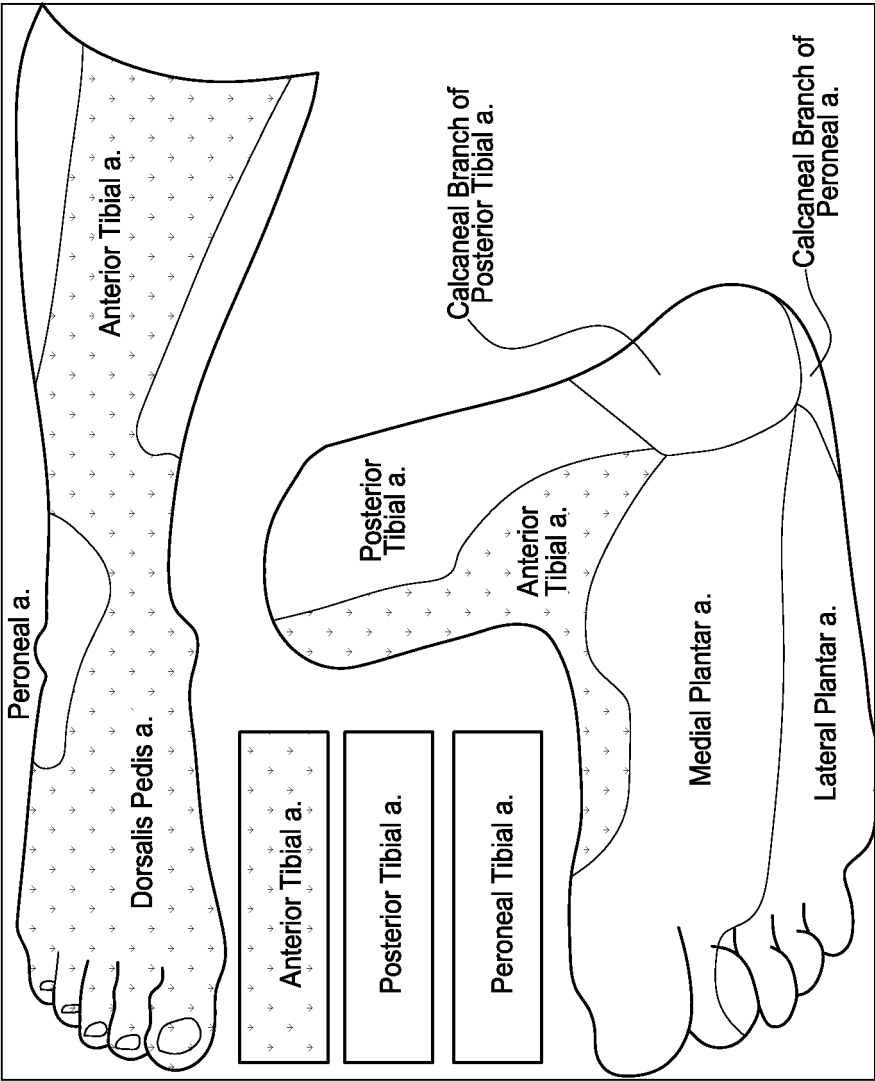


FIG. 1A

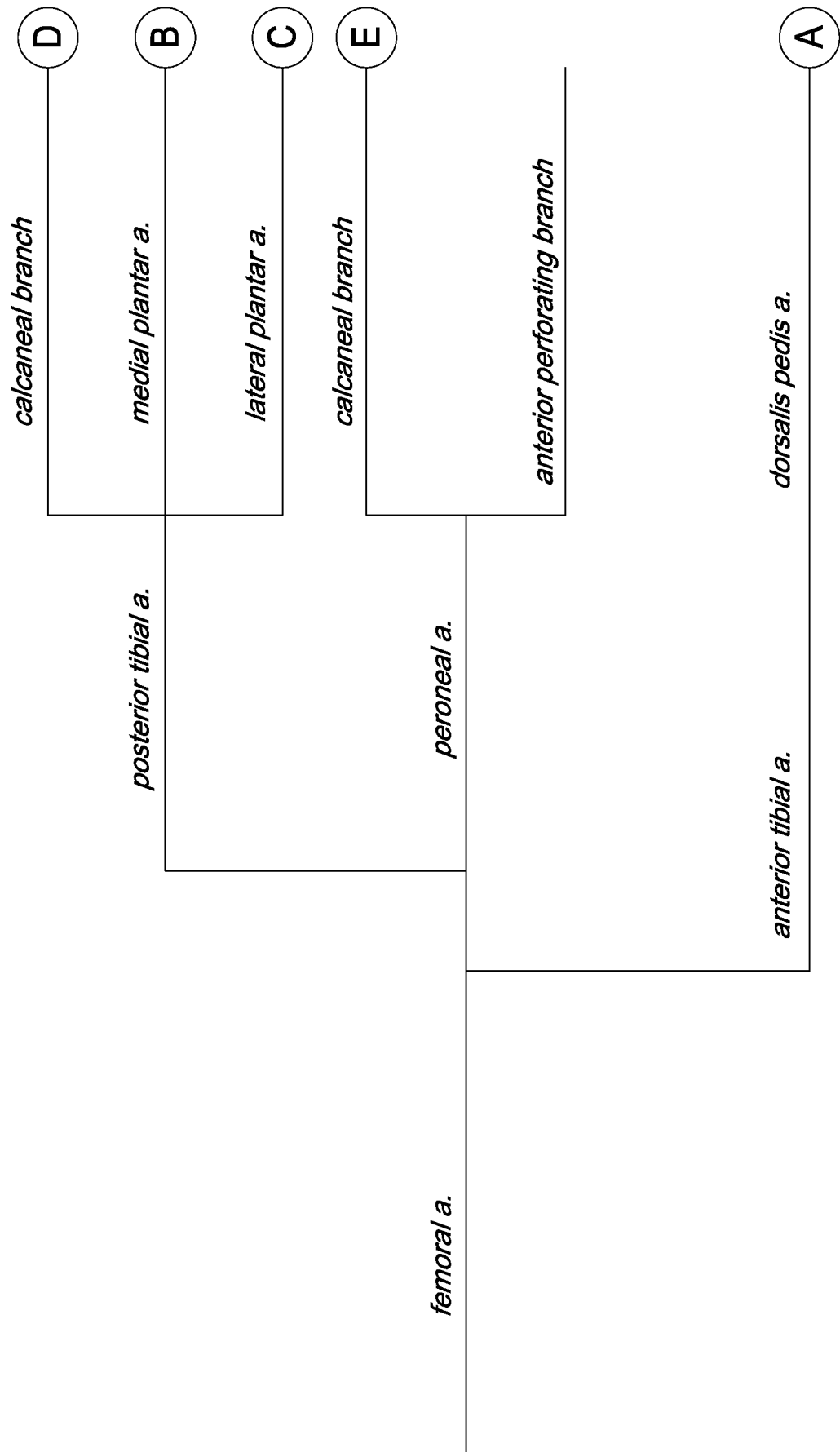


FIG. 1C

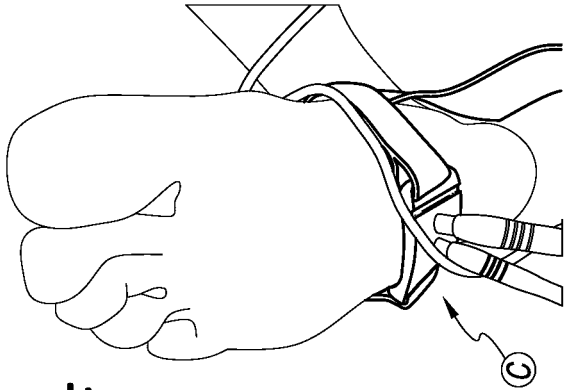


FIG. IF

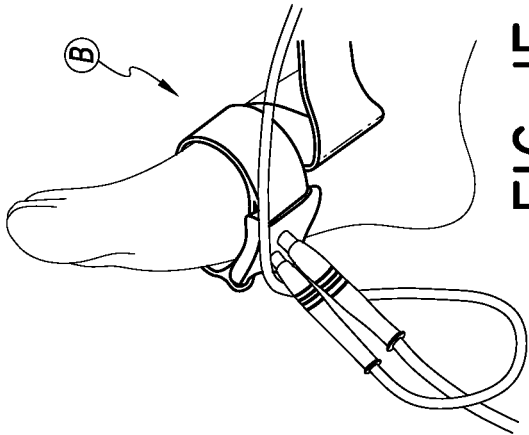


FIG. IE

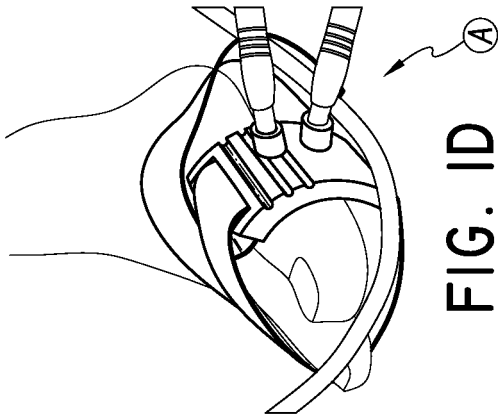


FIG. ID

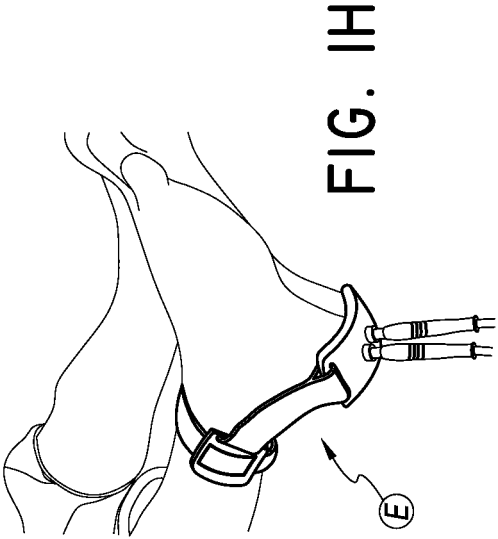


FIG. IH

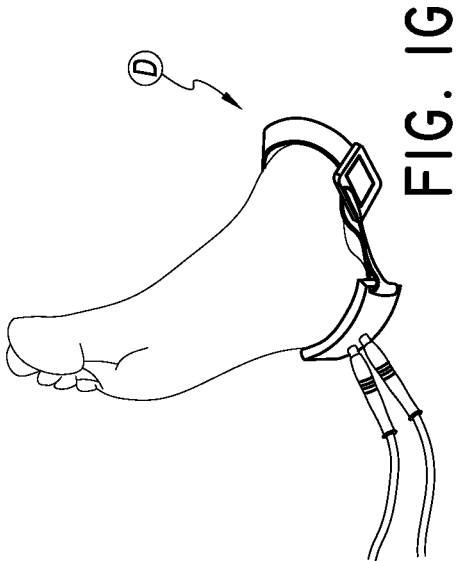


FIG. IG

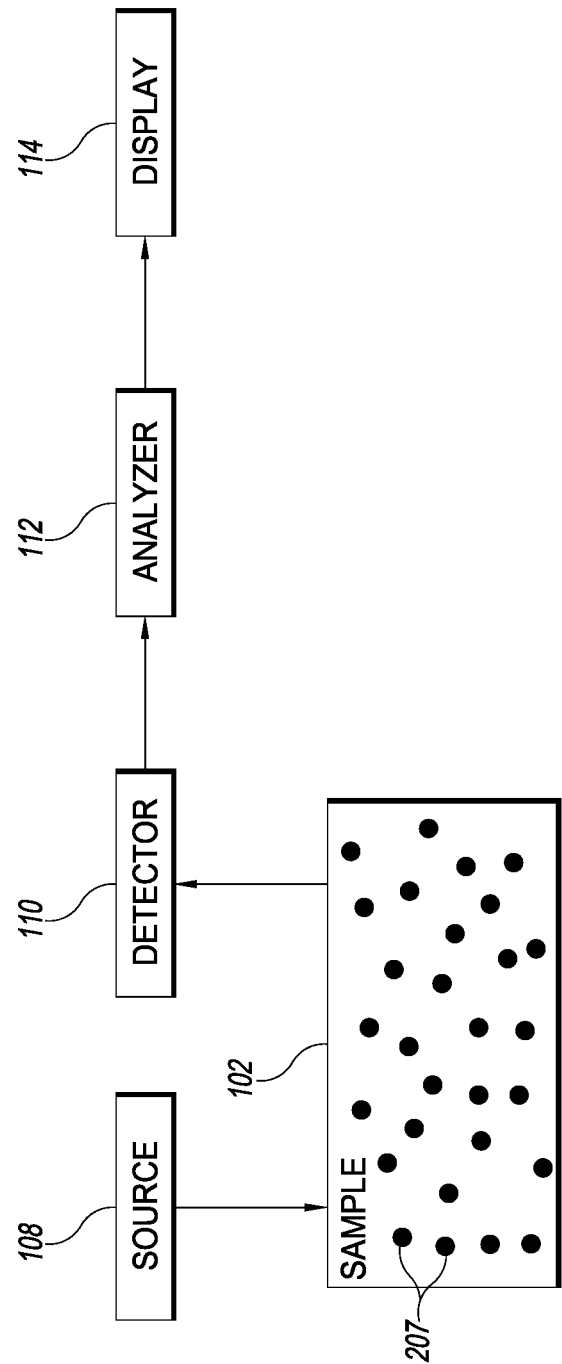


FIG. 2

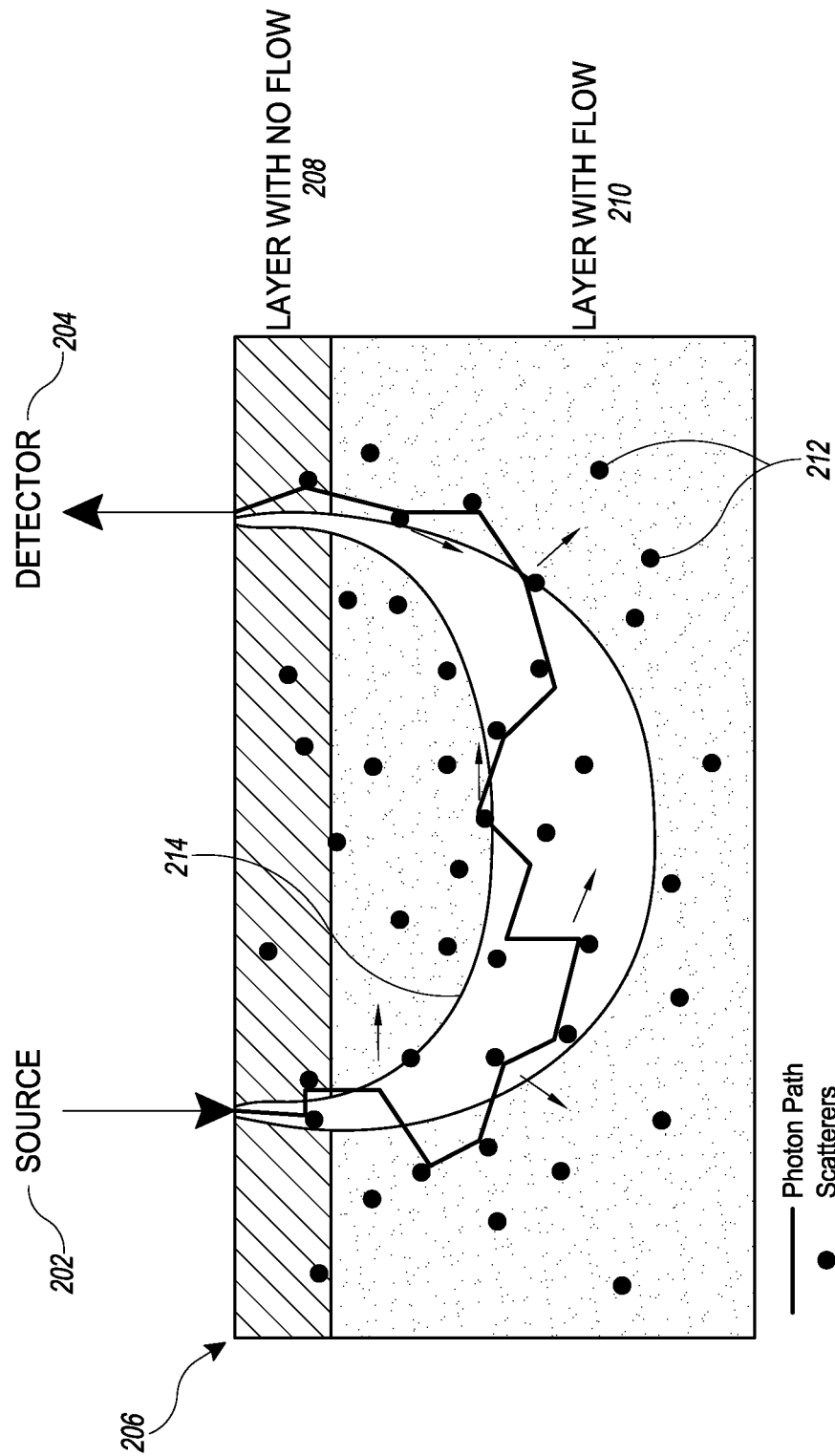


FIG. 3

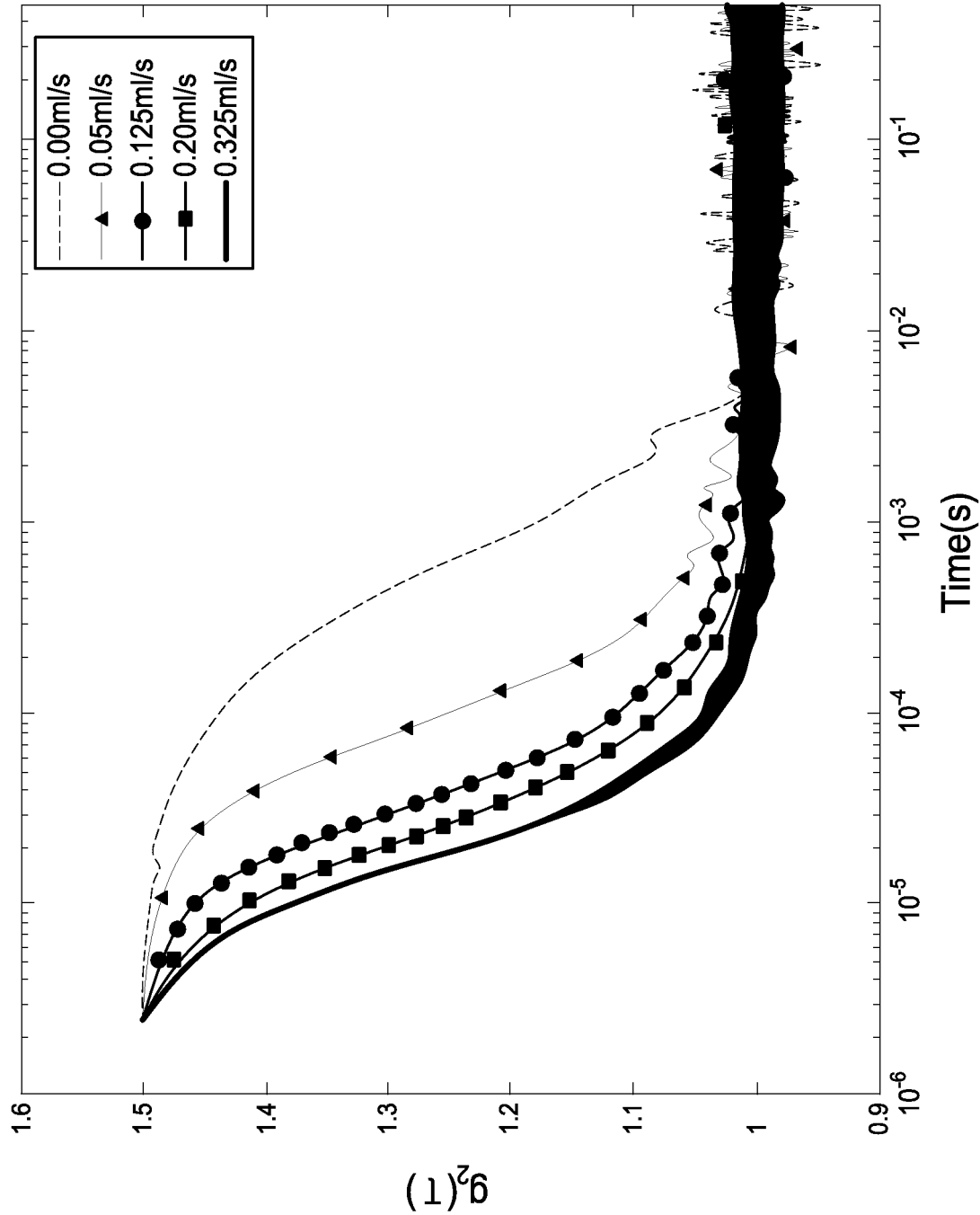


FIG. 4

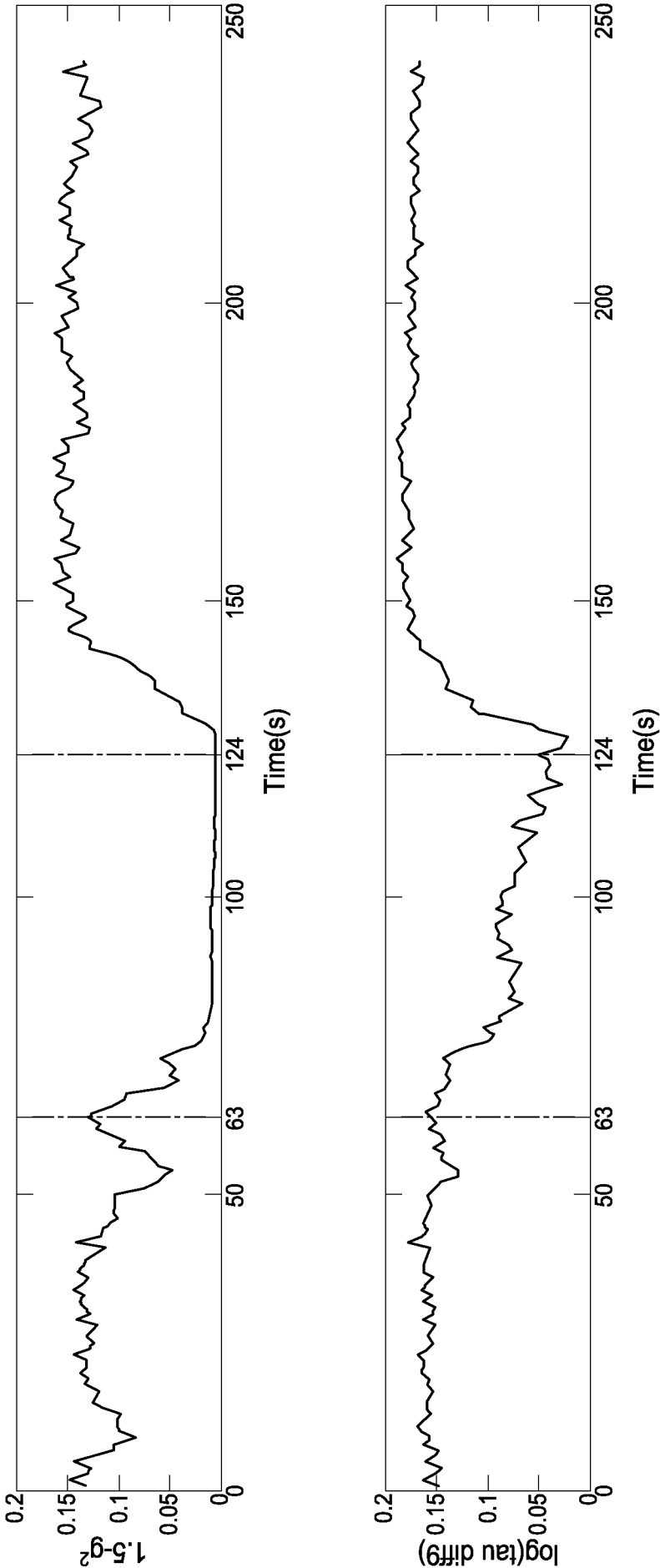


FIG. 5A

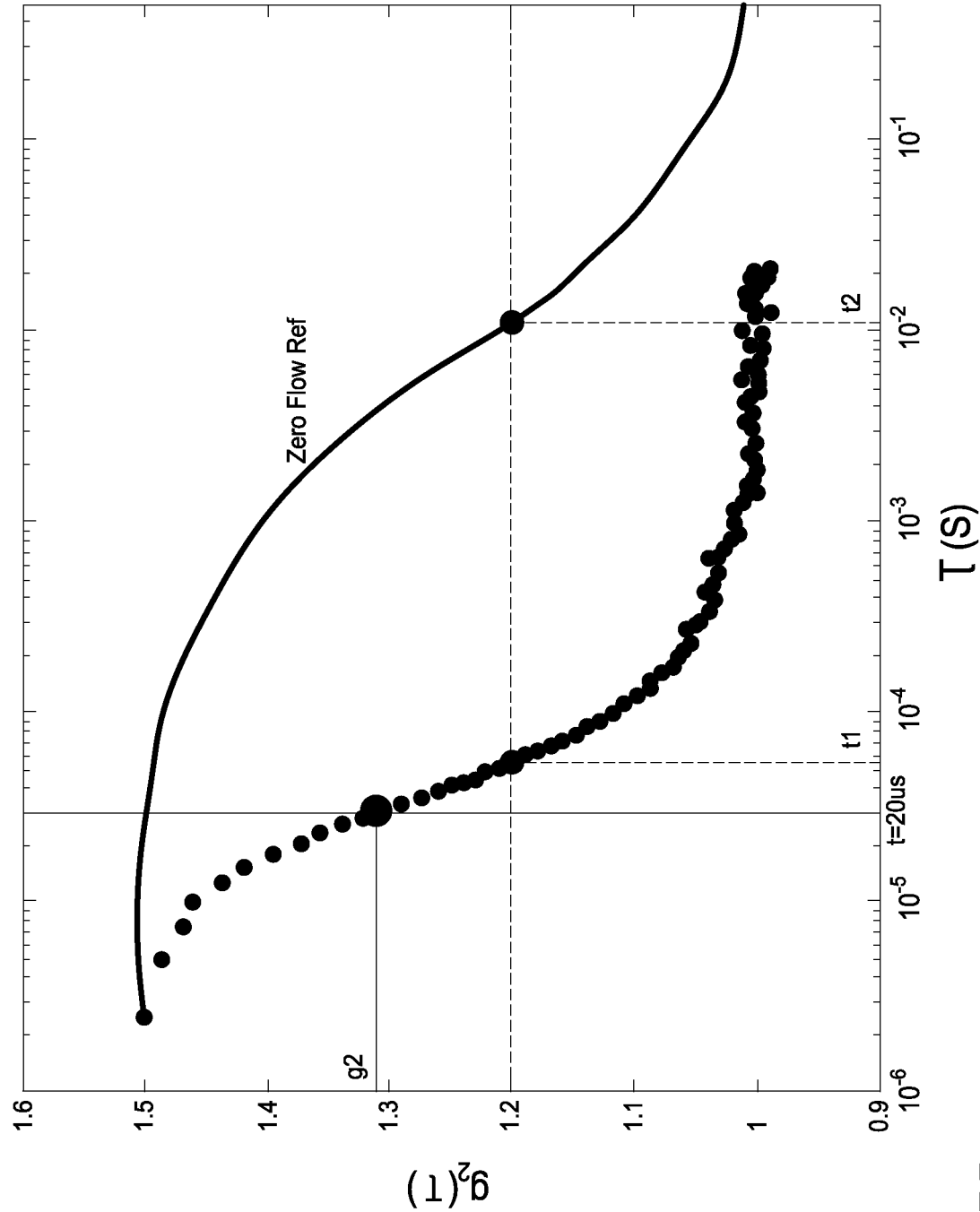
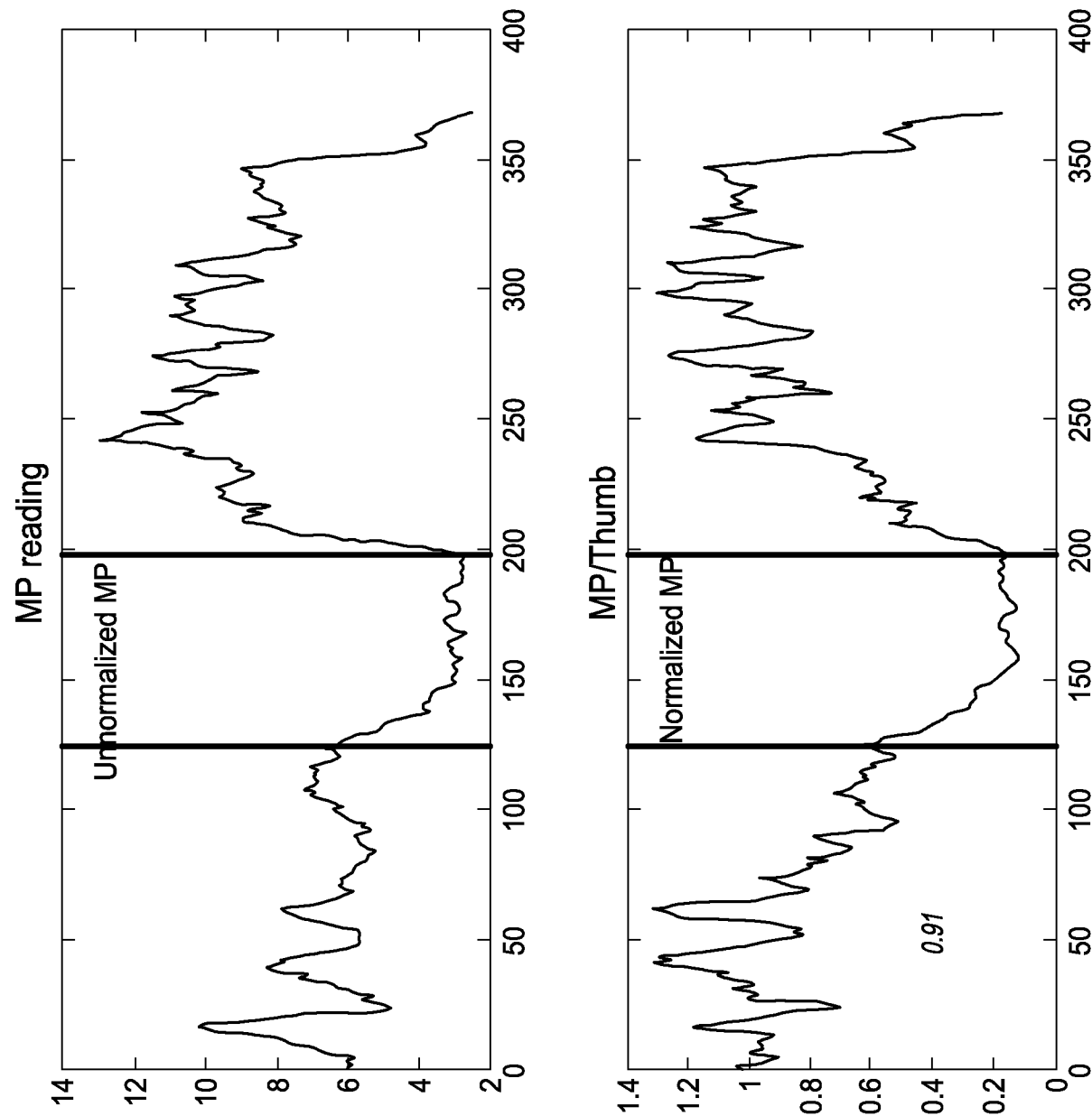
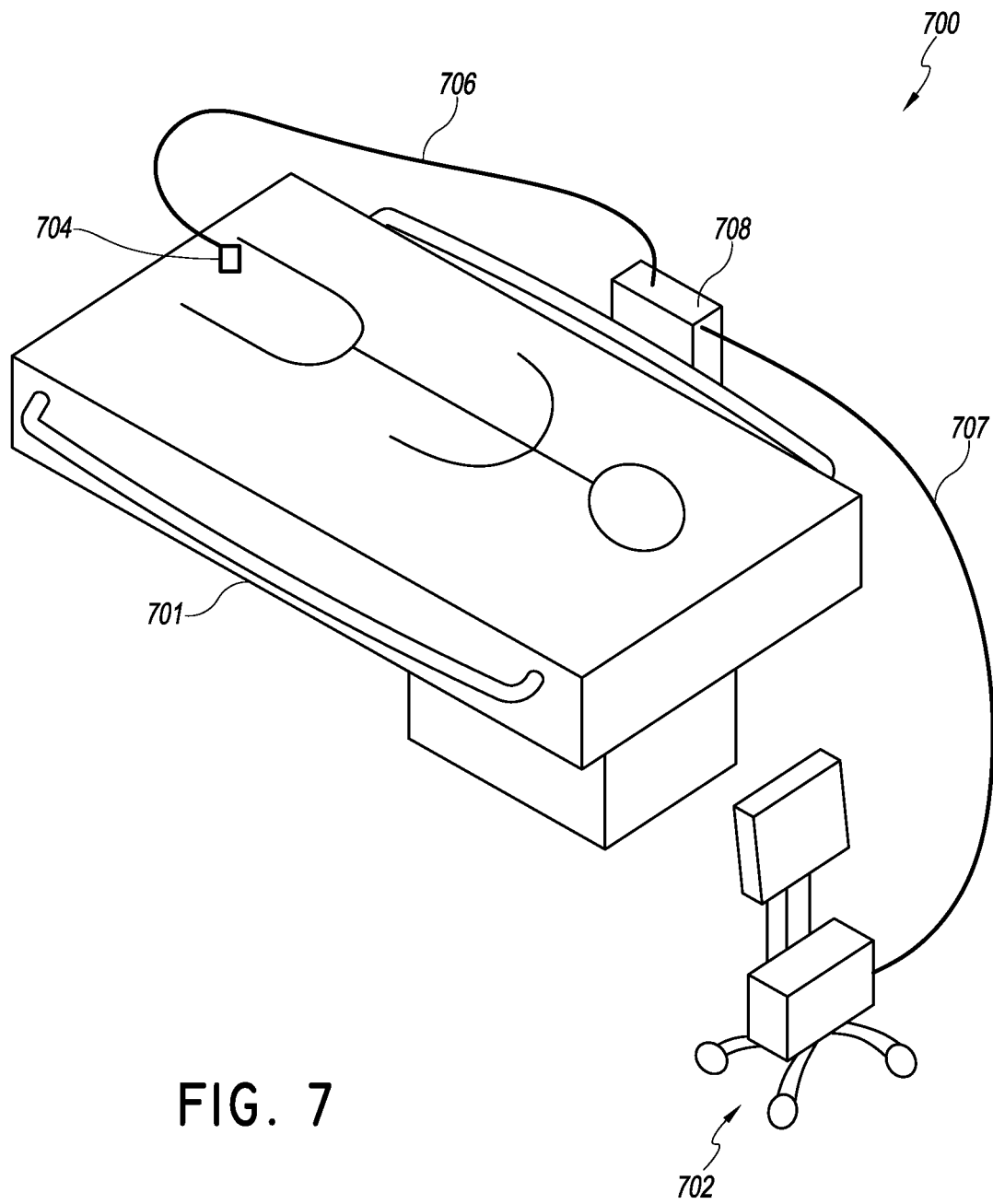
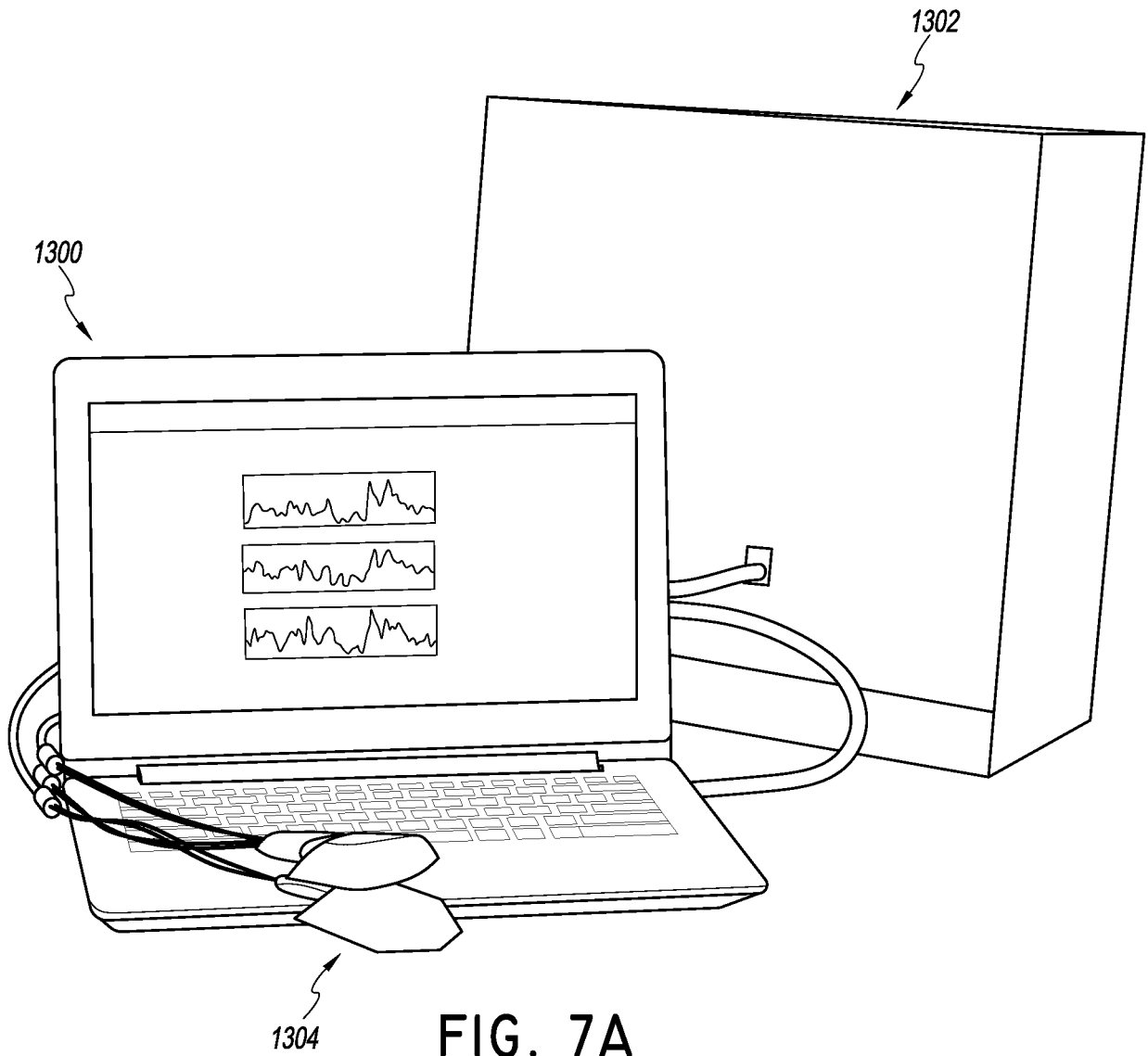


FIG. 5B

FIG. 6







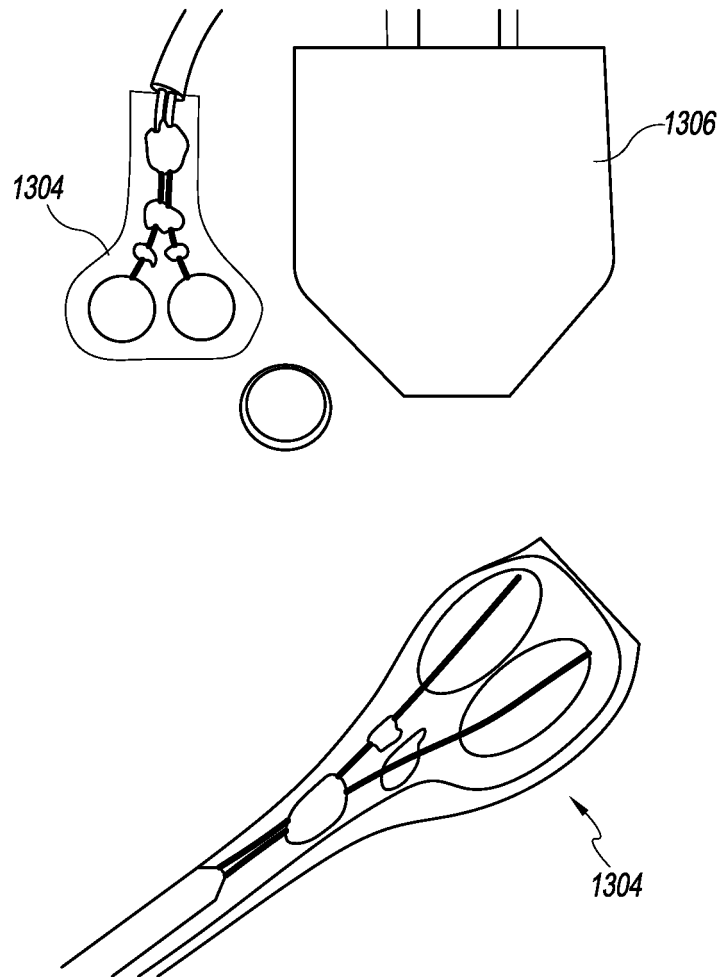


FIG. 7B

FIG. 8A

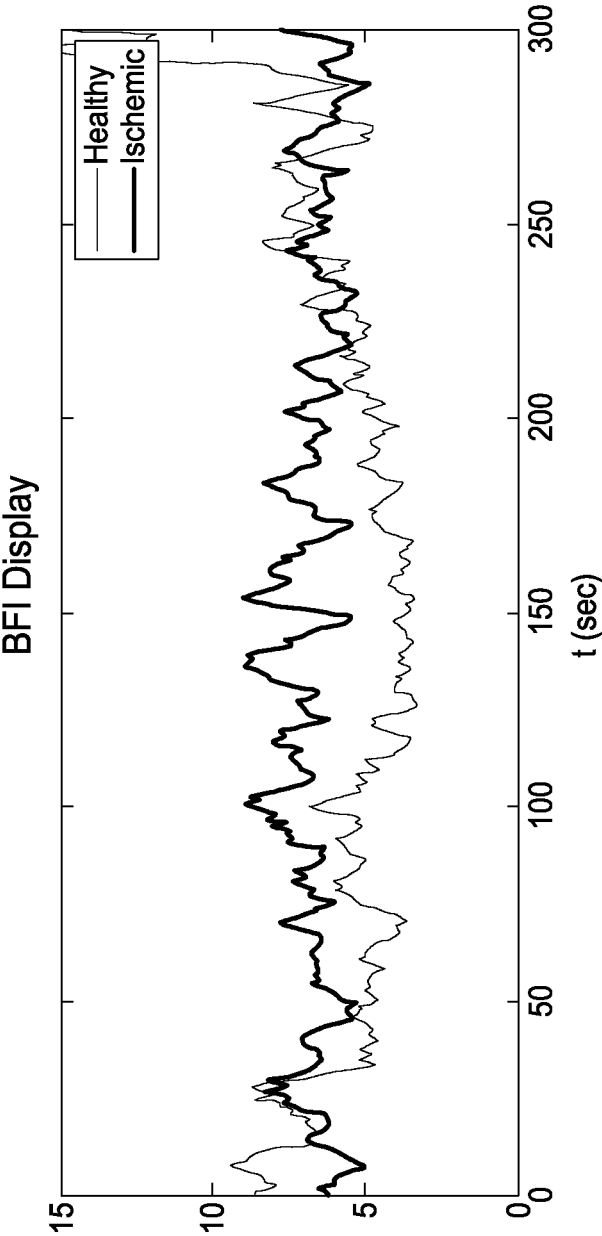
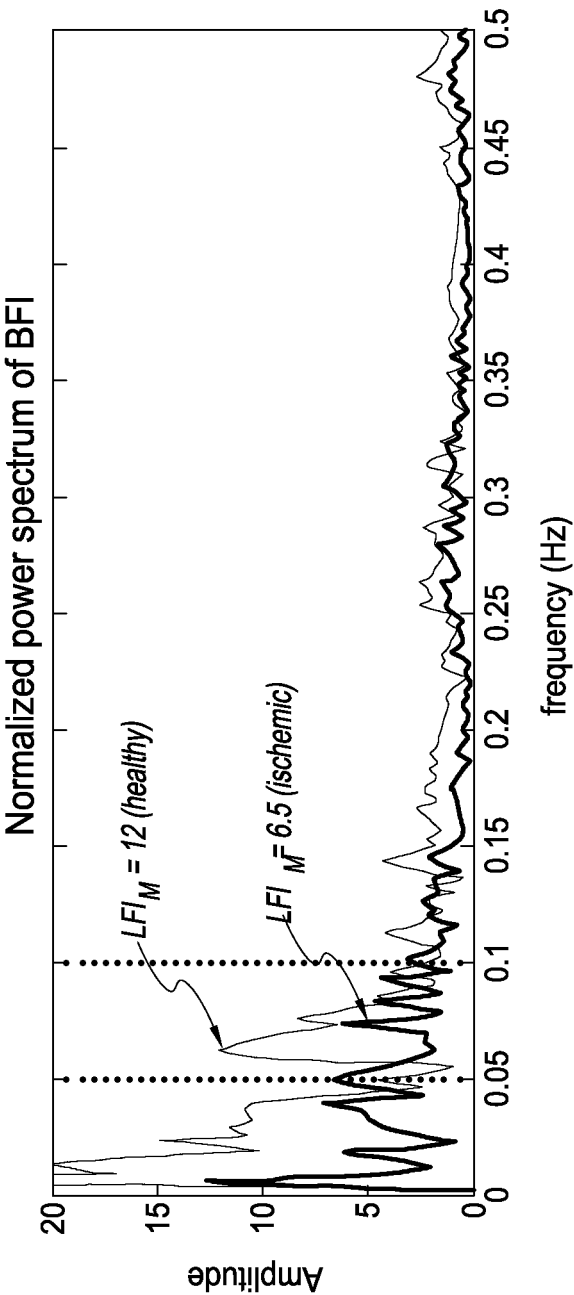


FIG. 8B



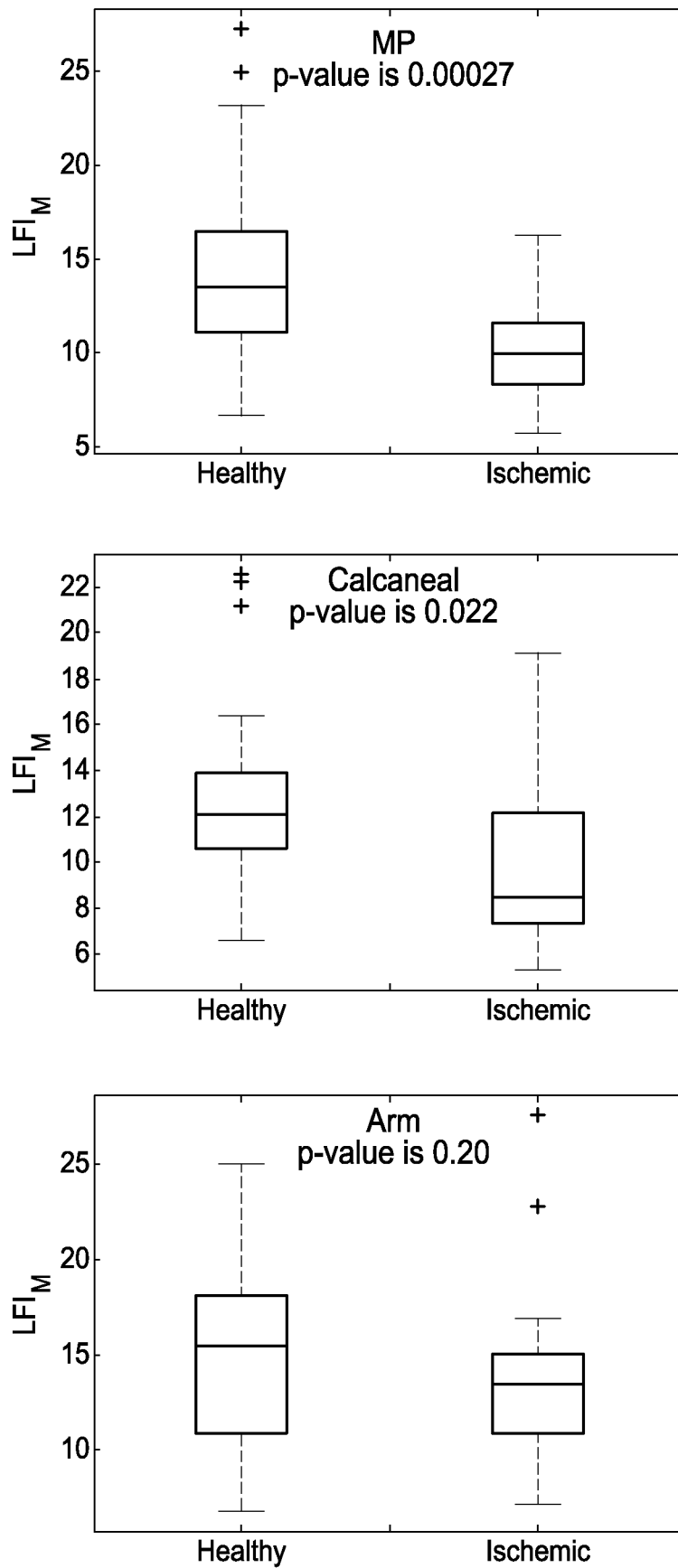


FIG. 9A

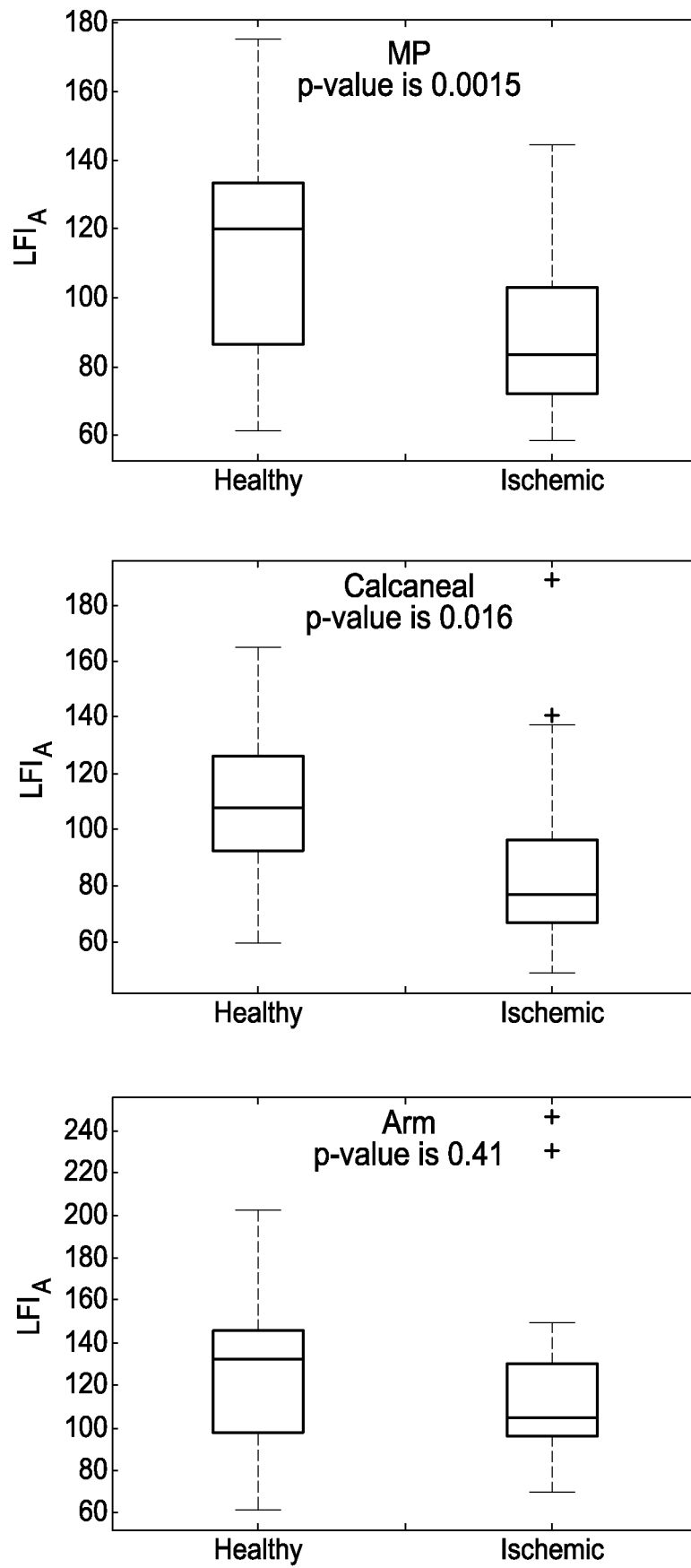


FIG. 9B

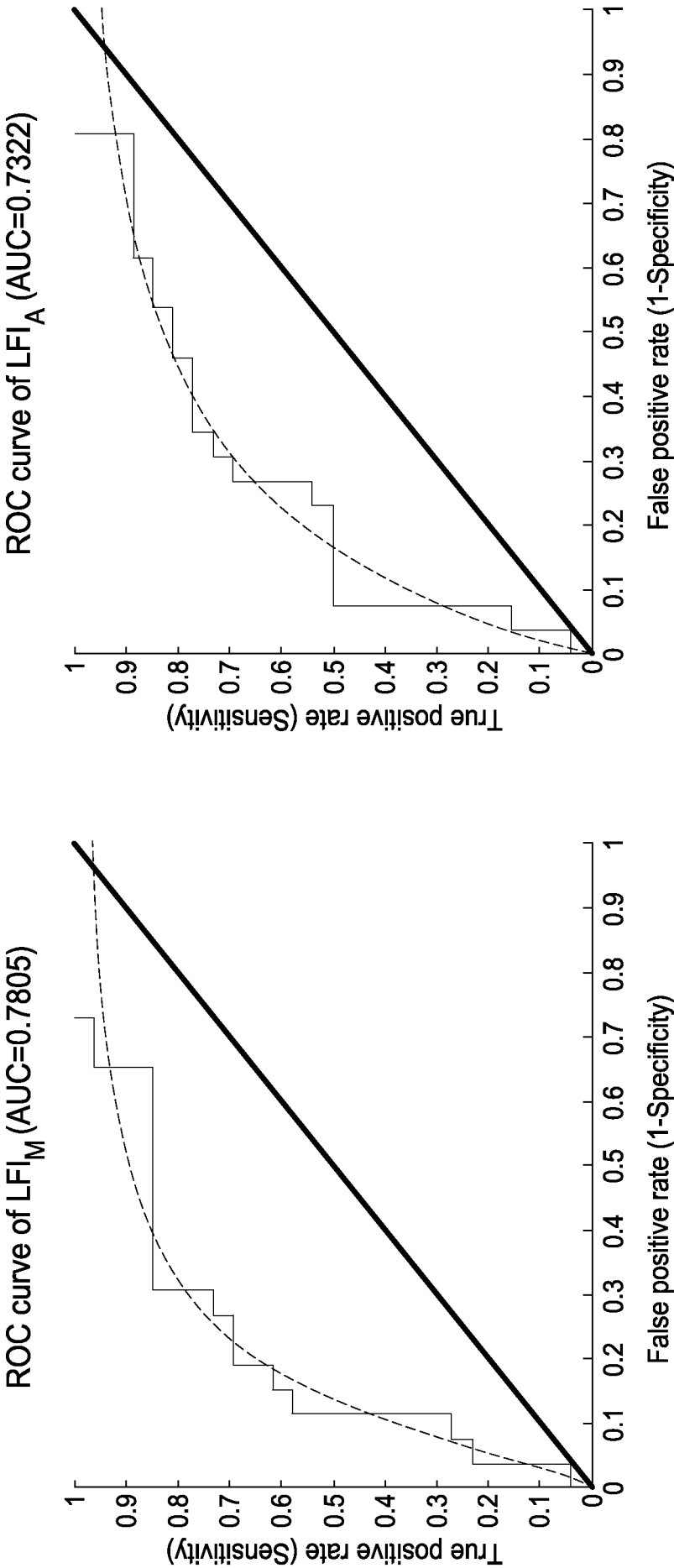


FIG. 10A

FIG. 10B

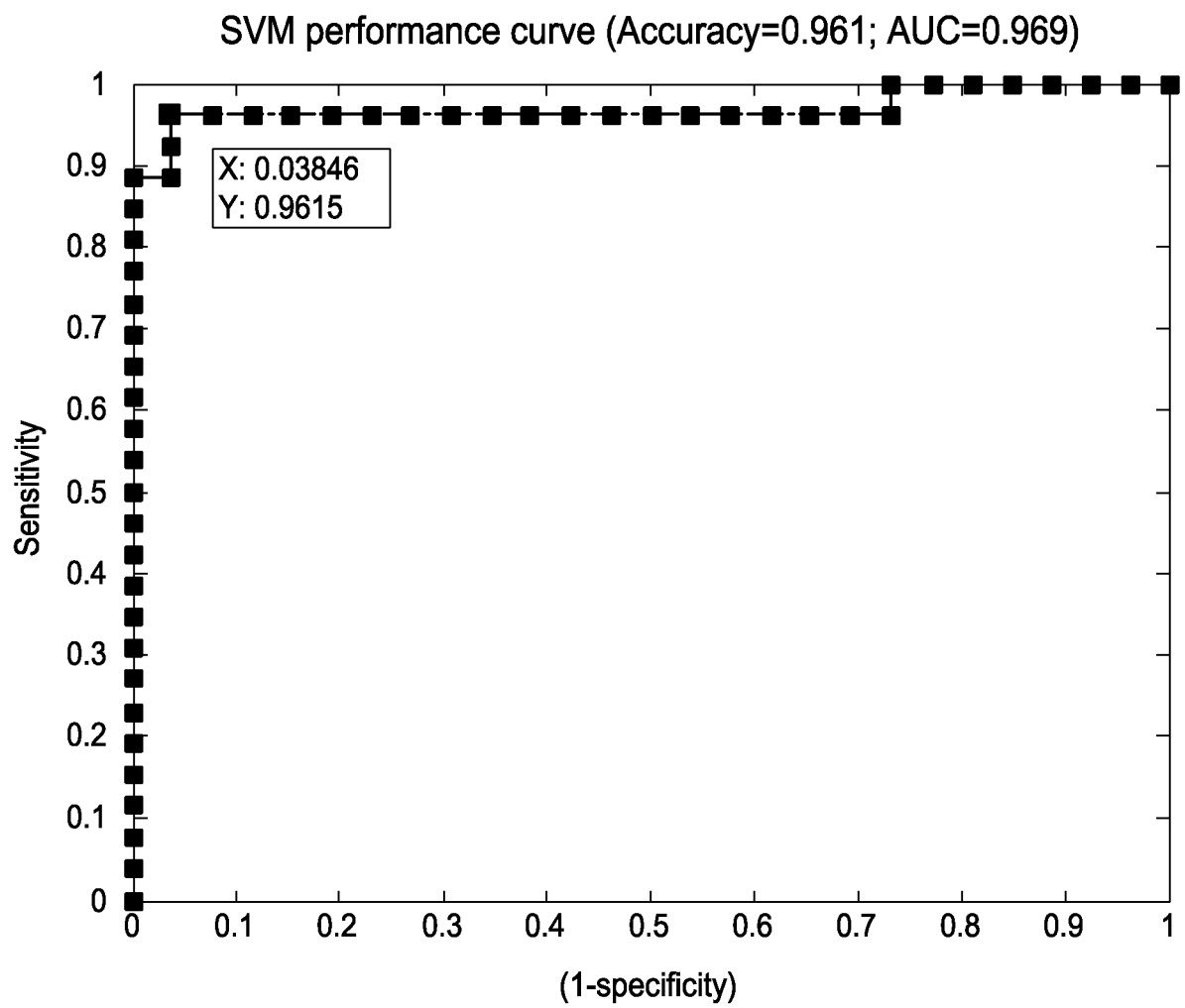


FIG. II

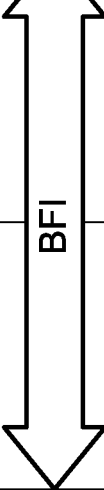
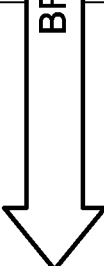
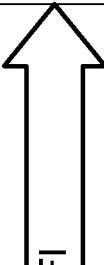
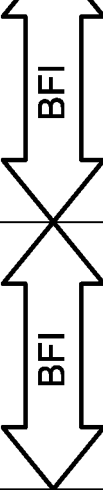
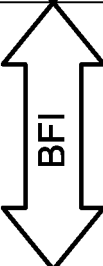
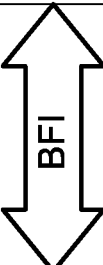
|            |                                                                                                                       |                                                                                     |                                                                                    |                       |                       |            |
|------------|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------|-----------------------|------------|
| Index (n)  | 0,1,2,...,30                                                                                                          | 31,...,60                                                                           | 61,...,90                                                                          | 91,...,120            | 120,...               | 1800       |
| Time (sec) | 0                                                                                                                     | 0.5                                                                                 | 1.0                                                                                | 1.5                   | 2.0 ...               | 300        |
| Intensity  | $I_0, I_1, ..., I_{30}$                                                                                               | $I_{31}, ..., I_{60}$                                                               | $I_{31}, ..., I_{60}$                                                              | $I_{31}, ..., I_{60}$ | $I_{31}, ..., I_{60}$ | $I_{1800}$ |
| BFI @ 1Hz  |                                    |  |  | ...                   |                       |            |
| BFI @ 2Hz  |                                    |  |  | ...                   |                       |            |
|            |                                                                                                                       |                                                                                     |                                                                                    |                       |                       |            |
|            | BFI = $(\text{Mean}_I / \text{Std\_Dev}_I)^2$ , over specified range of data<br>FTL = Standard deviation of BFI @ 2Hz |                                                                                     |                                                                                    |                       |                       |            |

FIG. 12

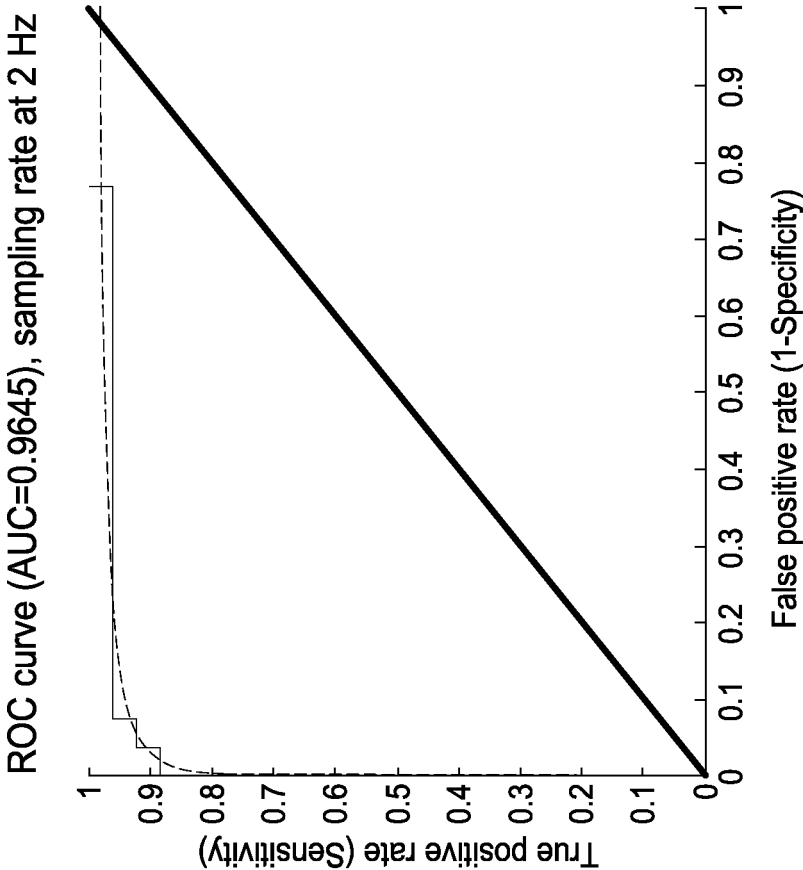


FIG. I3B

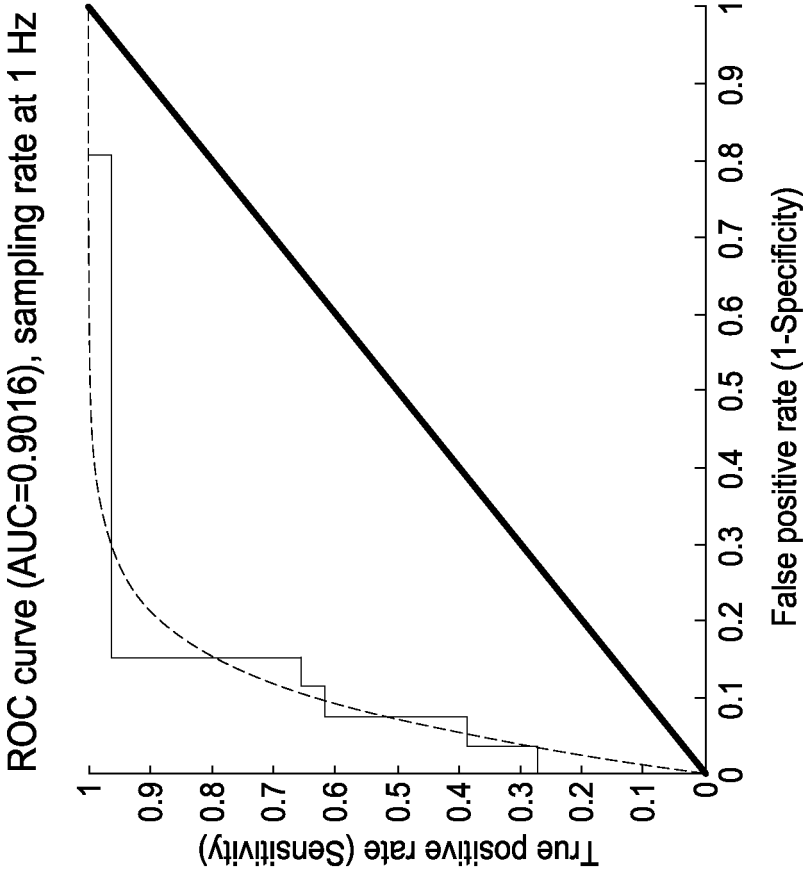


FIG. I3A

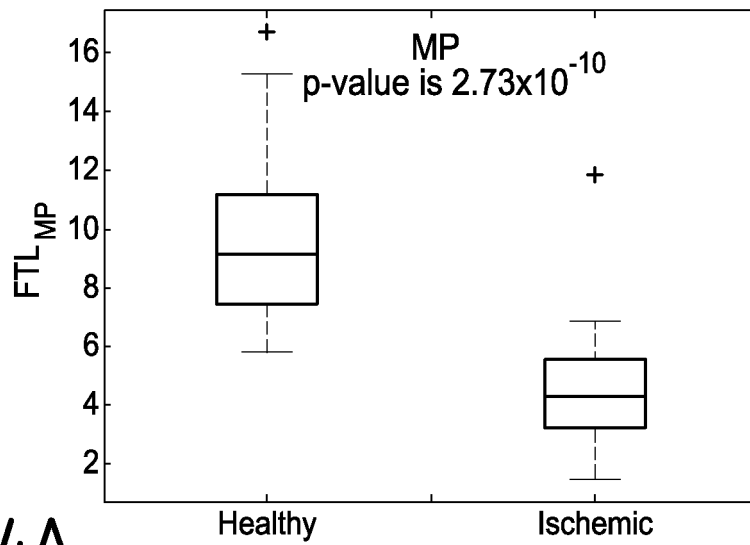


FIG. 14A

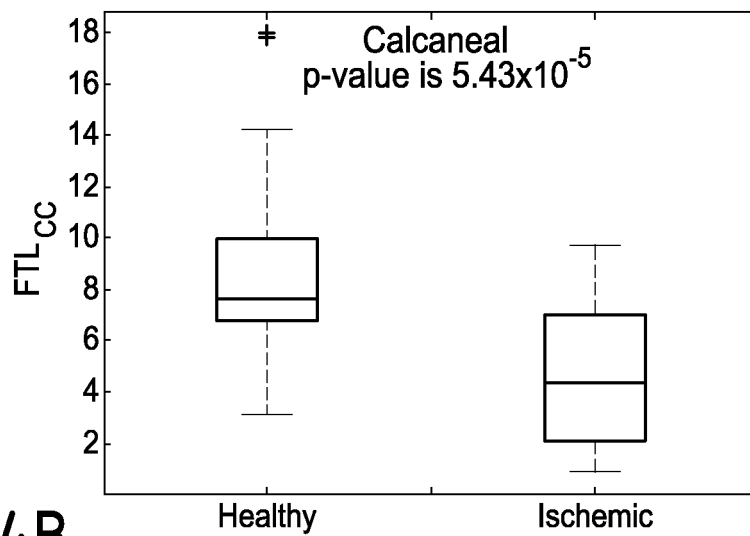


FIG. 14B

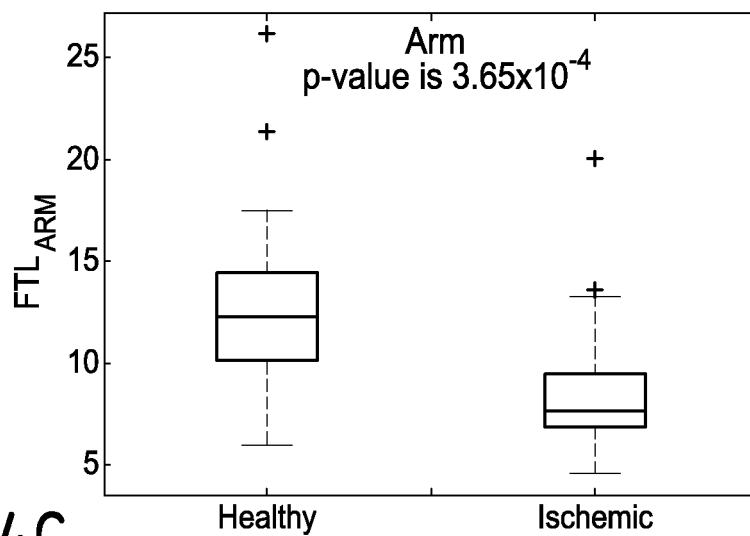


FIG. 14C

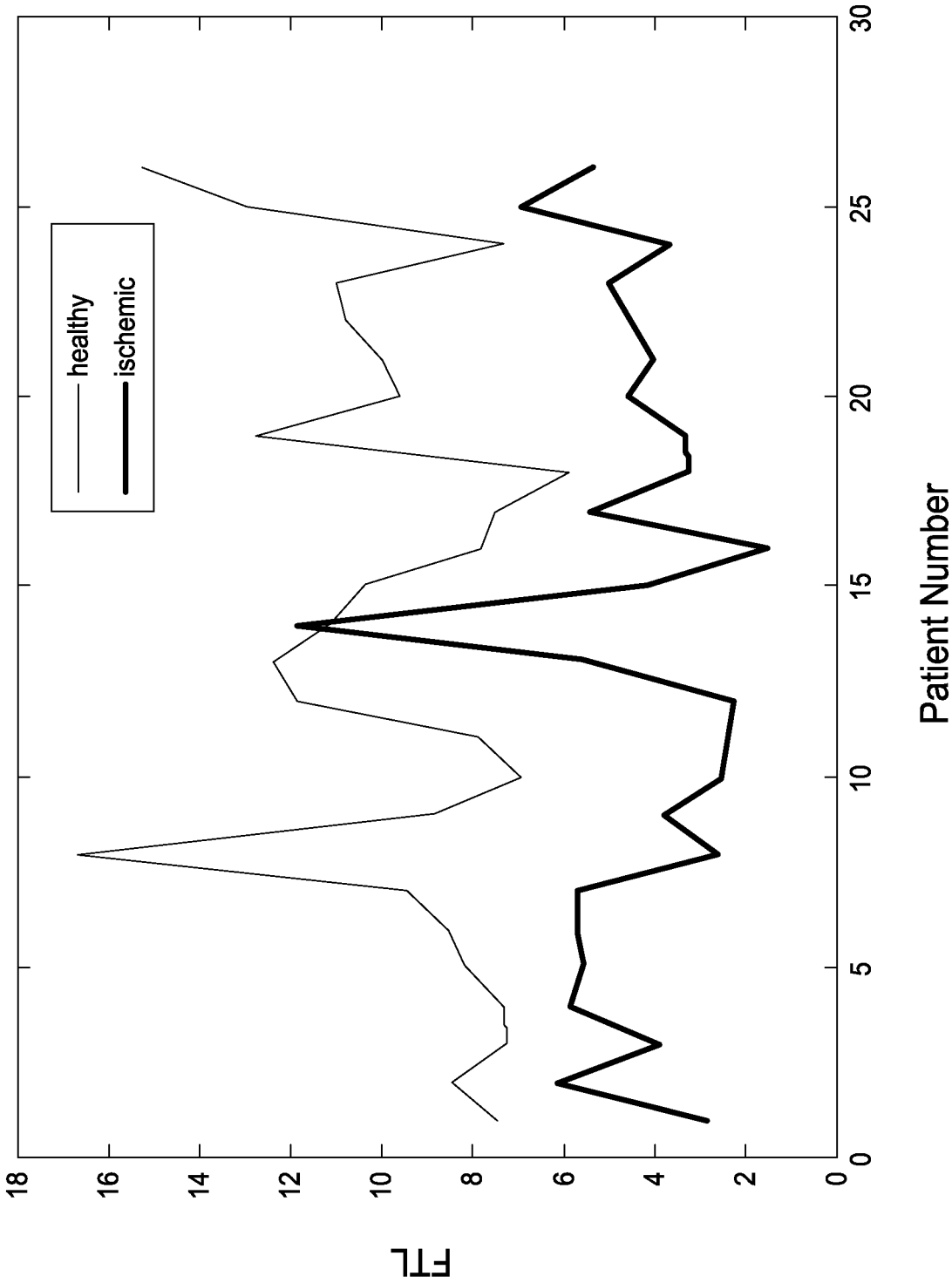


FIG. 14D

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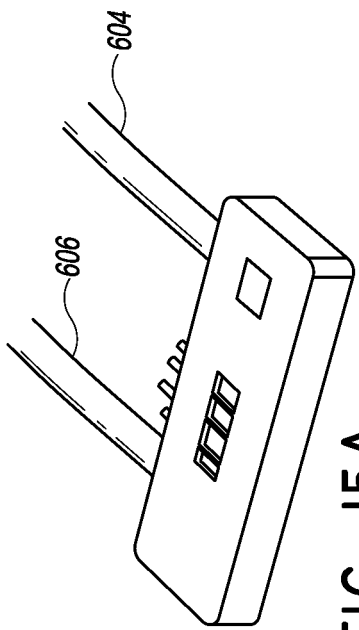


FIG. 15A

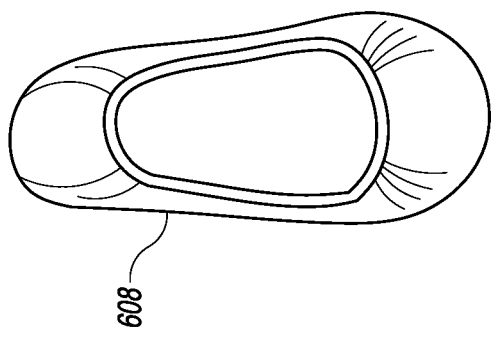


FIG. 15B

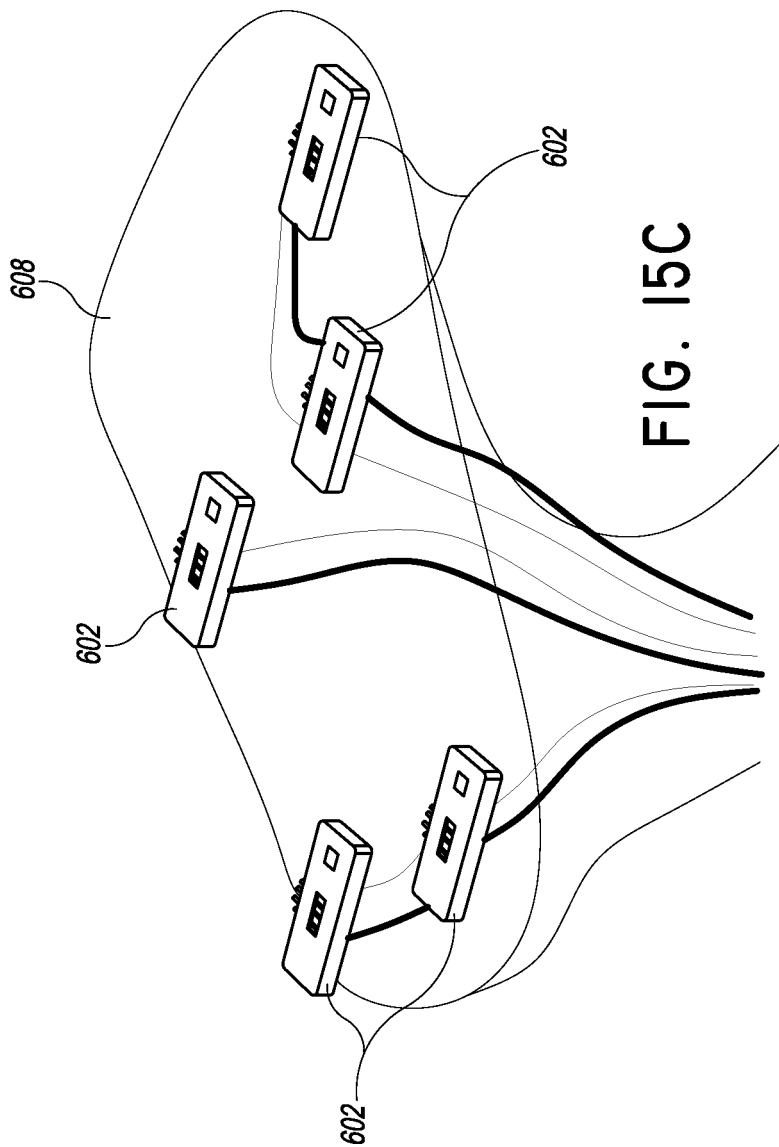


FIG. 15C

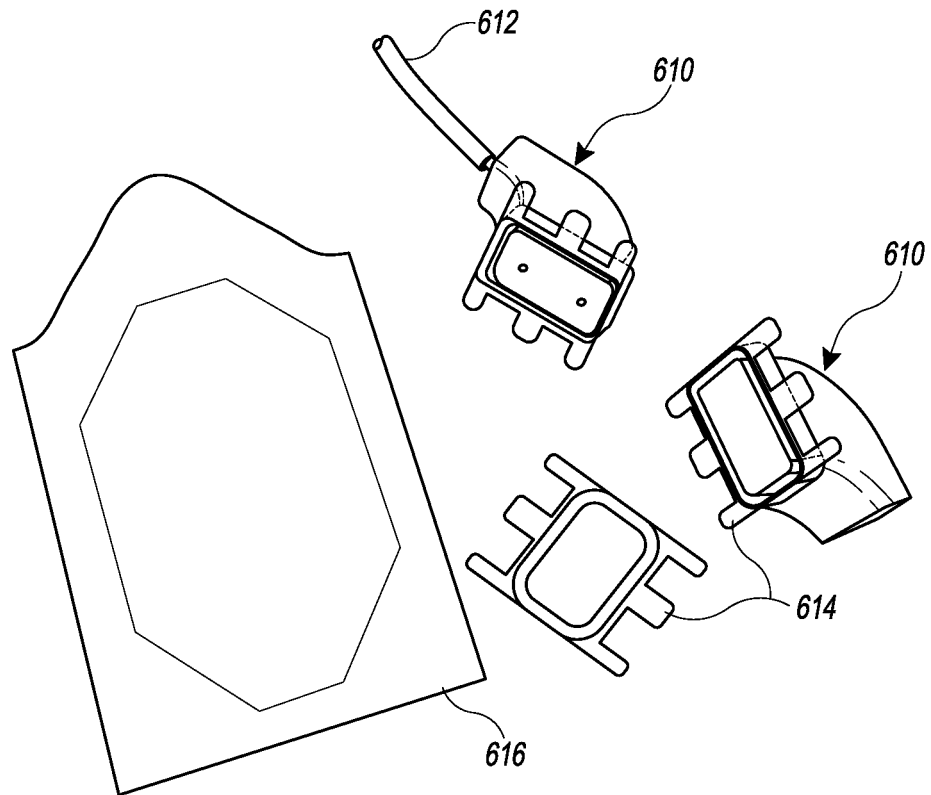


FIG. 15D

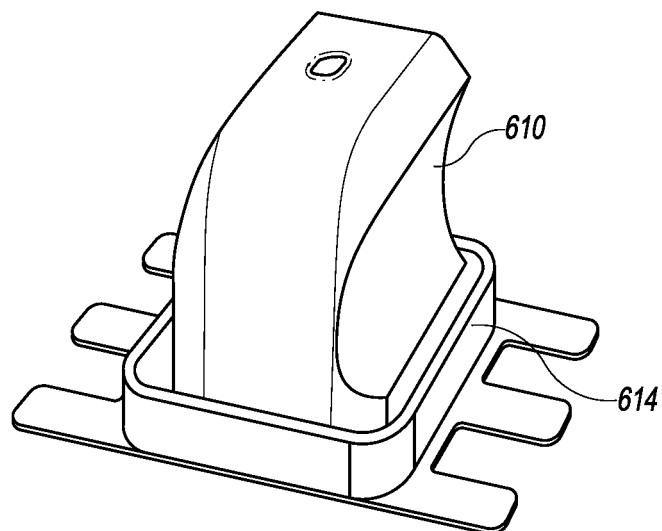


FIG. 15E

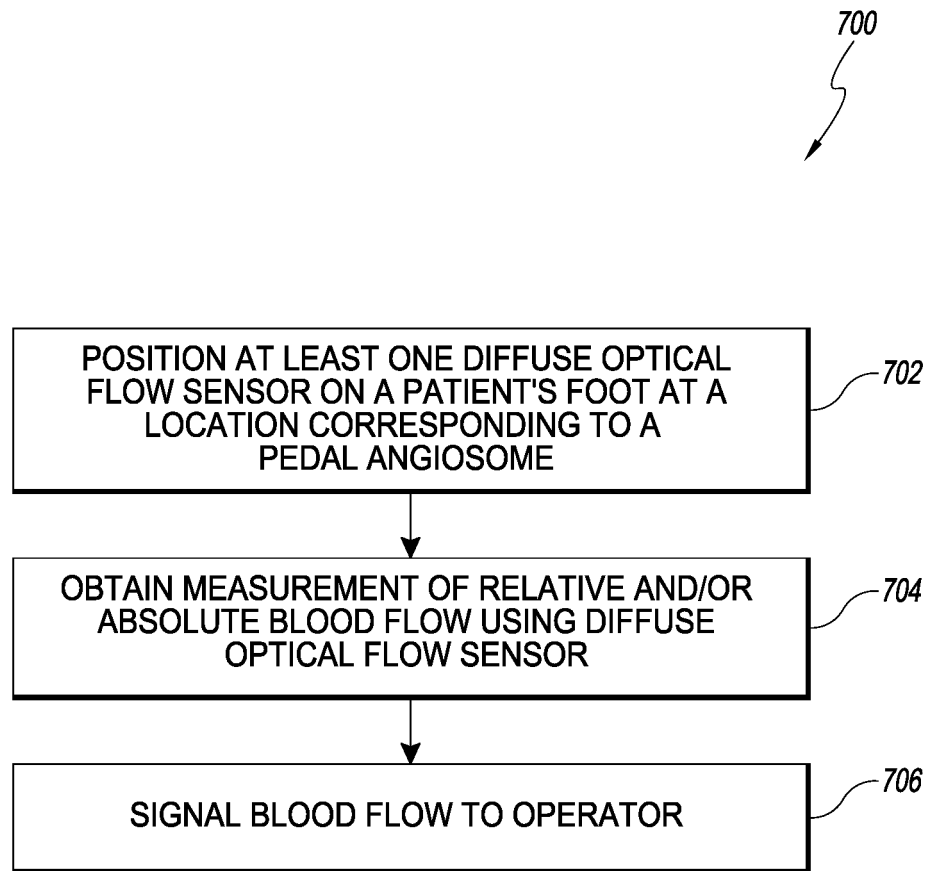


FIG. 16

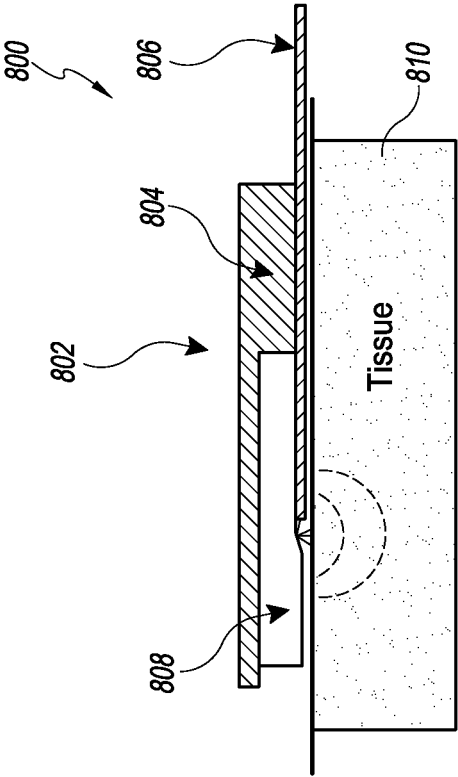


FIG. 17A

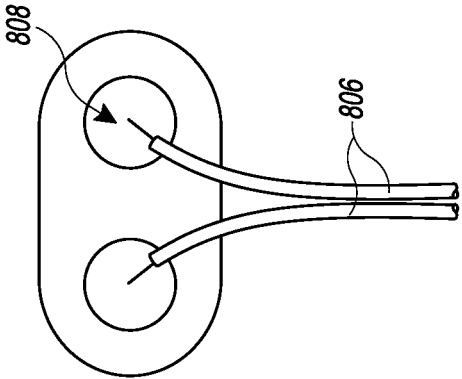


FIG. 17B

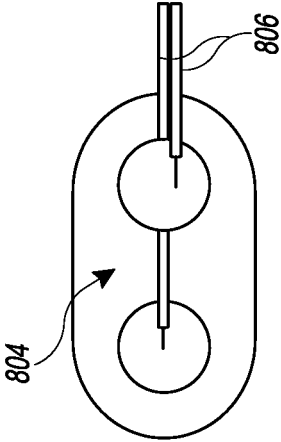


FIG. 17C

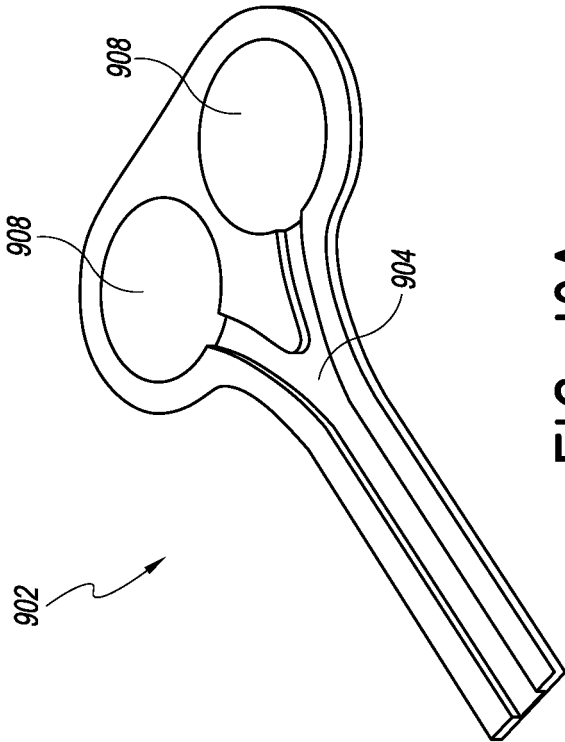


FIG. 18A

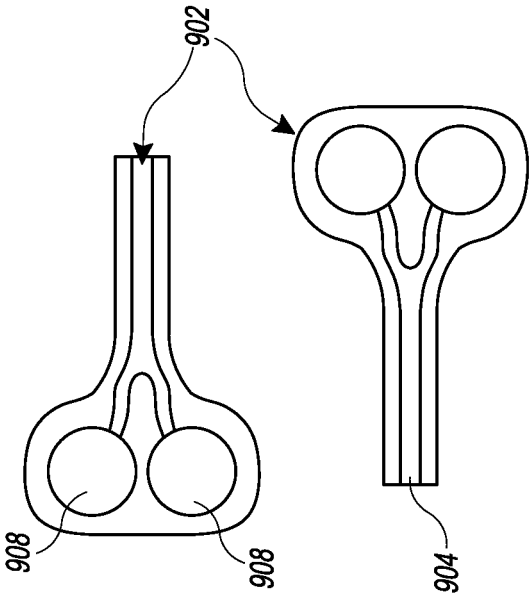


FIG. 18B

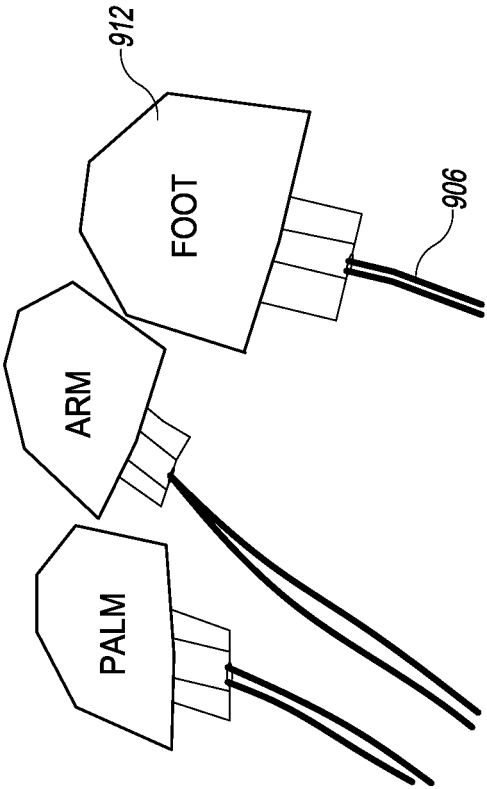


FIG. 18C

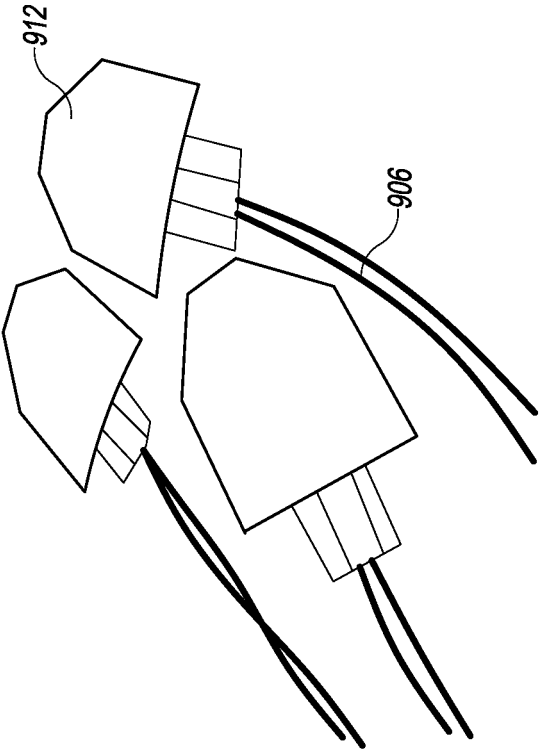


FIG. 18D

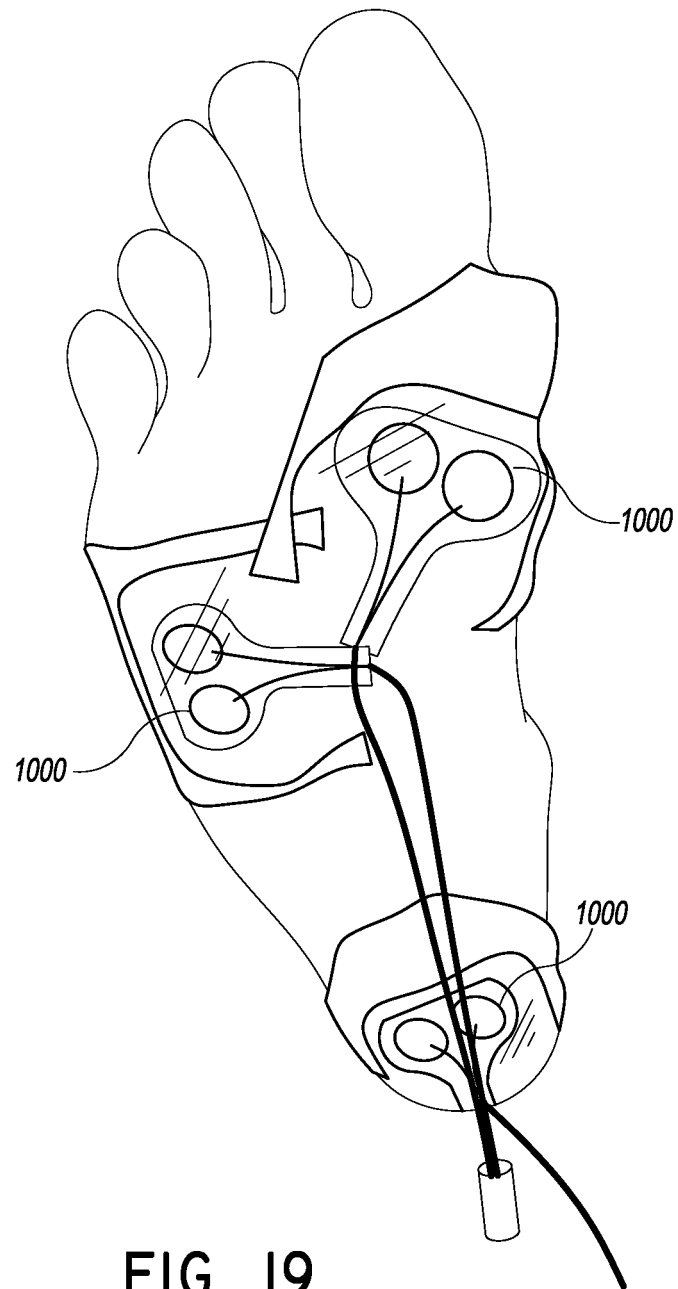


FIG. 19



FIG. 20