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Park et al.

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(54) **TOTAL HIP REPLACEMENT SURGICAL GUIDE TOOL**

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CPC ***A61B 17/175*** (2013.01); *A61B 2017/568* (2013.01); *A61B 2019/502* (2013.01); *A61B 2019/508* (2013.01); *A61B 2034/102* (2016.02); *A61F 2/3603* (2013.01); *A61F 2002/30878* (2013.01); *A61F 2002/505* (2013.01)

(58) **Field of Classification Search**

USPC 606/87–89; 700/98

See application file for complete search history.

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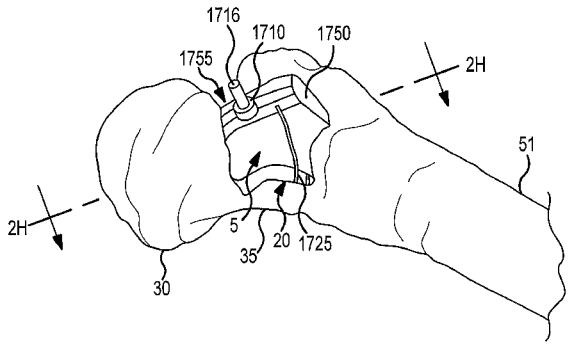
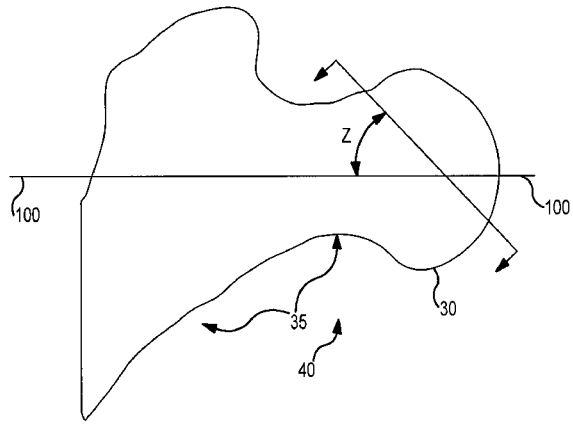
(57) **ABSTRACT**

Disclosed herein is a surgical guide tool for use in total hip replacement surgery. The surgical guide tool may include a customized mating region and a resection guide. The customized mating region and the resection guide are referenced to each other such that, when the customized mating region matingly engages a surface area of a proximal femur, the resection guide will be aligned to guide a resectioning of the proximal femur along a preoperatively planned resection plane.

51 Claims, 29 Drawing Sheets