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(54) **ENDODONTIC ROBOTIC SURGICAL SYSTEM AND ENDODONTIC ROBOTIC SURGICAL ASSEMBLY**
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CPC **A61B 34/30** (2016.02); **A61B 90/06** (2016.02); **A61B 2034/302** (2016.02); **A61B 2090/064** (2016.02)
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See application file for complete search history.

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(57) **ABSTRACT**
An endodontic robotic surgical system is provided. The endodontic robotic surgical system includes a robot arm and an endodontic robotic surgical assembly electrically connected to the robot arm. The endodontic robotic surgical assembly includes a multiple-axis force sensing device, a treatment assembly and an assistive device. The treatment assembly includes a housing, a drawstring-positioning structure disposed on the housing, a plurality of drawstrings connected to the drawstring-positioning structure, and an endodontic surgical element fitted to the housing. The drawstring-positioning structure is electrically connected to the multiple-axis force sensing device. The assistive device is adapted to be put on a tooth structure in a human oral cavity. The drawstrings are connected to different points on the assistive device. An endodontic robotic surgical assembly is further provided.

9 Claims, 4 Drawing Sheets

