

Title (en)

IMAGE GUIDED INTERVENTIONS WITH INTERSTITIAL OR TRANSMISSION ULTRASOUND

Title (de)

BILDGEFÜHRTE EINGRIFFE MIT INTERSTITIELLEM ULTRASCHALL ODER TRANSMISSIONSULTRASCHALL

Title (fr)

INTERVENTIONS GUIDEES PAR IMAGES AVEC ULTRASON INTERSTITIEL OU DE TRANSMISSION

Publication

**EP 1768568 A2 20070404 (EN)**

Application

**EP 05804815 A 20050509**

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Abstract (en)

[origin: WO2005117710A2] Disclosed is a system and method for providing image guidance for medical procedures in which an interstitial ultrasound probe is inserted into the tissue surrounding a tumor. The interstitial ultrasound probe is designed to "ride" in the surrounding tissue so that it may move in conjunction with the tumor and provide intra-operative imagery. A surgeon may guide a surgical instrument and perform interventions such as ablation while tracking the tumor in the ultrasound imagery. The position and orientation of the interstitial ultrasound probe and the surgical instrument are measured throughout the medical procedure to enable either the surgeon, or a robotic arm, to guide the surgical instrument such that it may move in conjunction with the tumor.

IPC 8 full level

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