

Title (en)
PROCESS FOR PERCUTANEOUS OPERATIONS

Title (de)
VERFAHREN FÜR PERKUTANE OPERATIONEN

Title (fr)
PROCÉDÉ POUR OPÉRATIONS PERCUTANÉES

Publication
EP 3367915 A4 20190710 (EN)

Application
EP 16861031 A 20161031

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• US 201562249050 P 20151030
• US 201562248737 P 20151030
• US 201562248851 P 20151030
• US 2016059686 W 20161031

Abstract (en)
[origin: WO2017075574A1] A method is described for performing a percutaneous operation on a patient to remove an object from a cavity within the patient. The method includes advancing a first alignment sensor into the cavity through a patient lumen. The first alignment sensor provides its position and orientation in free space in real time. The alignment sensor is manipulated until it is located in proximity to the object. A percutaneous opening is made in the patient with a surgical tool, where the surgical tool includes a second alignment sensor that provides the position and orientation of the surgical tool in free space in real time. The surgical tool is directed towards the object using data provided by both the first and the second alignment sensors.

IPC 8 full level
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Citation (search report)
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WO 2017075574 A1 20170504; AU 2016343849 A1 20180517; AU 2016343849 B2 20210819; AU 2021229251 A1 20211007; AU 2021229251 B2 20231005; AU 2024200011 A1 20240125; CN 109069136 A 20181221; CN 109069136 B 20210720; EP 3367915 A1 20180905; EP 3367915 A4 20190710; JP 2019505245 A 20190228; JP 6942700 B2 20210929; KR 102676381 B1 20240620; KR 20180082479 A 20180718; KR 20240095366 A 20240625

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US 2016059686 W 20161031; AU 2016343849 A 20161031; AU 2021229251 A 20210910; AU 2024200011 A 20240102; CN 201680070428 A 20161031; EP 16861031 A 20161031; JP 2018521951 A 20161031; KR 20187015193 A 20161031; KR 20247019656 A 20161031