

Title (en)

MULTIPLEX SYSTEM FOR THE DETECTION OF SURGICAL IMPLEMENTS WITHIN THE WOUND CAVITY

Title (de)

MULTIPLEXSYSTEM ZUM ERKENNEN CHIRURGISCHER INSTRUMENTE IM WUNDRaum

Title (fr)

SYSTEME MULTIPLEX POUR LA DETECTION D'ACCESSOIRES CHIRURGICAUX DANS LA CAVITE D'UNE PLAIE

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Application

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Abstract (en)

[origin: WO2006086603A2] The present invention provides a multiplex system for identifying the presence of surgical sponges, metal instruments, and other implements in a surgical wound by employing a plurality of discrete sensing systems. At least two modalities of operation are chosen from a plurality of detection modalities, which can include: 1) magnetomechanically resonant marker tags; 2) "smart markers" or RFID markers; and 3) a system designed to detect metallic objects solely based upon their metal content, without need for a separate, affixed marker. The selected modes of operation can operate sequentially or simultaneously. Consequently, the use of such a multiplex system eliminates the possibility that surgical implements, non-metallic or metallic, will be left behind within a surgical cavity.

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