

Title (en)
VOCALLY ACTIVATED SURGICAL CONTROL SYSTEM

Title (de)
SPRACHAKTIVIERTES CHIRURGISCHES STEUERUNGSSYSTEM

Title (fr)
SYSTÈME DE COMMANDE CHIRURGICAL À ACTIVATION VOCALE

Publication
EP 3440669 A4 20191211 (EN)

Application
EP 17778802 A 20170409

Priority
• US 201662319289 P 20160407
• IL 2017050433 W 20170409

Abstract (en)
[origin: WO2017175232A1] The present invention provides a vocally activated control system for controlling at least one apparatus in a surgical setting. The control system comprises a voice sensor to detect vocal commands generated by at least one surgeon in a surgical setting; a signal transmitter operatively connected to the voice sensor to convert vocal commands into transmittable vocal signals and to transmit the transmittable vocal signals; and a processor operatively connected to the signal transmitter to receive the transmittable vocal signals. The processor converts transmittable vocal signals to members of a predetermined set of operative instructions, where each operative instruction is associated with apparatus in the surgical environment. Each apparatus comprises control means, the control means operatively connected to the processor and the apparatus. The control means receives the operative instructions and causes the apparatus to operate accordingly.

IPC 8 full level
G10L 15/00 (2013.01); **A61B 1/00** (2006.01); **A61B 1/04** (2006.01); **A61B 5/00** (2006.01); **A61B 5/055** (2006.01); **A61B 5/06** (2006.01); **A61B 5/1455** (2006.01); **A61B 6/03** (2006.01); **G06F 3/16** (2006.01); **G10L 15/05** (2013.01); **G10L 15/22** (2006.01)

CPC (source: EP US)
A61B 1/00006 (2013.01 - EP); **A61B 1/04** (2013.01 - EP US); **A61B 5/055** (2013.01 - EP); **A61B 5/064** (2013.01 - EP); **A61B 5/1455** (2013.01 - EP); **A61B 5/7475** (2013.01 - EP); **G06F 3/167** (2013.01 - EP); **G10L 15/00** (2013.01 - EP); **G10L 15/05** (2013.01 - EP); **G10L 2015/223** (2013.01 - EP)

Citation (search report)
• [I] WO 2016005988 A1 20160114 - MST MEDICAL SURGERY TECHNOLOGIES LTD [IL]
• [A] US 6591239 B1 20030708 - MCCALL DAVID F [US], et al
• [A] WO 2011088400 A2 20110721 - UNIV CALIFORNIA [US], et al
• See references of WO 2017175232A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2017175232 A1 20171012; CN 109863553 A 20190607; EP 3440669 A1 20190213; EP 3440669 A4 20191211

DOCDB simple family (application)
IL 2017050433 W 20170409; CN 201780034382 A 20170409; EP 17778802 A 20170409