505829366 12/19/2019

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
HOPITAL DU VALAIS, CENTRE HOSPITALIER DU VALAIS ROMAND (CHVR)	02/25/2015

#### **RECEIVING PARTY DATA**

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City:	AUDUBON	
State/Country:	PENNSYLVANIA	
Postal Code:	19403	

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16720187

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DATE SIGNED:	12/19/2019

## **Total Attachments: 2**

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PATENT 505829366 REEL: 051329 FRAME: 0227



#### **Assignment**

As part of an evaluation of the robotic system developed by KB Medical SA, certain employees of Hôpital du Valais, Centre Hospitalier du Valais Romand (CHVR) may have developed or contributed to certain inventions related to this evaluation. These employees include Dr Marc Morard and Dr Kristof Van Dommelen. They are coinventors of the above mentioned system.

In consideration of this evaluation, or for other good and valuable consideration, the receipt of which is hereby acknowledged, Hôpital du Valais, CHVR confirms it has sold, assigned, and transferred or does hereby sell, assign, and transfer unto KB Medical SA, its entire right, title, and Interest in and to any and all such inventions.

All costs related to patent applications filed as a result of this agreement, in particular application preparation, submission and maintenance will be borne by KB Medical SA.

Certain elements of evaluation-related invention are described in the Appendix to this assignement.

Hopital du Valais

Prof. Eric Boavin Directeur Génégal

Sion, le. 25/2/15

Prof. Metje M Berger

Coondinatrice de direction médicale

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110

**KB Medical SA** 

Szymon Kostrzewski, PhD

Ecublens, le 2015 - 02 - 27

PATENT REEL: 051329 FRAME: 0228

# **Appendix**

Traditional open techniques for spinal surgeries are very invasive for the patient. They require relatively big opening which increases the risk of infections, tissue destruction and recovery time. Scars are big and reduce patient's comfort of life and appreciation of the procedure.

Several minimally invasive approaches to spinal surgeries were conceived, percutaneous technique being one of them. It looks to establish skin opening as small as possible by accessing inner organs via needle-puncture of the skin.

Percutaneous techniques are known in spinal surgeries. Some elements of this invention describe usage of the percutaneous technique in conjunction with robotic system. The basic workflow as initially designed with by the inventors is shown in Figure 1.

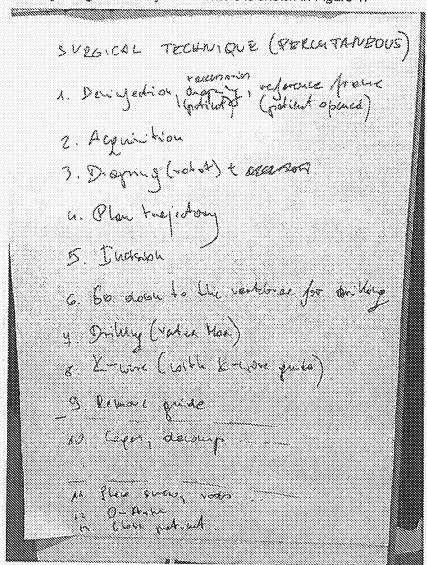


Figure 1: proposed workflow of percutaneous surgery using robotic system developed during meeting on 2014-12-08

PATENT REEL: 051329 FRAME: 0229

**RECORDED: 12/19/2019**