Title (en)

CANNULA HAVING A WIRE THAT EXTENDS ALONG SAID CANNULA

Title (de)

KANÜLE MIT EINEM DRAHT, DER LÄNGS DER KANÜLE VERLÄUFT

Title (fr)

CANULE COMPORTANT UN FIL MÉTALLIQUE S'ÉTENDANT LE LONG DE LA CANULE

Publication

EP 3558100 A1 20191030 (DE)

Application

EP 17844617 A 20171211

Priority

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- DE 102017004548 A 20170512
- DE 2017000417 W 20171211

Abstract (en)

[origin: WO2018113809A1] The invention relates to a cannula that comprises an electrically conductive material extending along said cannula. An electrical connection which can be connected to a measuring device either with or without a cable is provided on this material. This allows the position of the cannula in a human body to be detected, and allows a warning signal to be emitted in the event of dislocation of said cannula.

IPC 8 full level

A61B 5/00 (2006.01); **A61B 5/053** (2006.01); **A61B 5/06** (2006.01)

CPC (source: EP US)

A61B 5/0538 (2013.01 - US); **A61B 5/068** (2013.01 - EP US); **A61B 5/6851** (2013.01 - EP); **A61B 5/6852** (2013.01 - EP US); **A61B 5/6886** (2013.01 - EP); **A61M 25/005** (2013.01 - US); **A61M 25/01** (2013.01 - EP); **A61M 25/0105** (2013.01 - US); A61B 5/0538 (2013.01 - EP); A61B 2562/227 (2013.01 - EP US); A61M 25/0045 (2013.01 - EP); A61M 25/0097 (2013.01 - EP); A61M 2025/0166 (2013.01 - EP US); A61M 2205/35 (2013.01 - US)

Citation (search report)

See references of WO 2018113809A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2018113809 A1 20180628; CN 110325102 A 20191011; CN 110325102 B 20220830; DE 102017004548 A1 20180628; EP 3558100 A1 20191030; JP 2020512049 A 20200423; US 11590318 B2 20230228; US 2019366045 A1 20191205

DOCDB simple family (application)

DE 2017000417 W 20171211; CN 201780079747 A 20171211; DE 102017004548 A 20170512; EP 17844617 A 20171211; JP 2019532950 A 20171211; US 201716472420 A 20171211