

Title (en)
SYSTEM AND METHOD FOR NONINVASIVE ANALYSIS OF SUBCUTANEOUS TISSUE

Title (de)
SYSTEM UND VERFAHREN ZUR NICHTINVASIVEN ANALYSE VON SUBKUTANEM GEWEBE

Title (fr)
SYSTÈME ET MÉTHODE D'ANALYSE NON INVASIVE DE TISSU SOUS-CUTANÉ

Publication
EP 3641634 A2 20200429 (EN)

Application
EP 18820207 A 20180710

Priority
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• IL 2018050748 W 20180710

Abstract (en)
[origin: WO2018235091A2] A method for noninvasive analysis of subcutaneous tissue includes irradiating a surface of the tissue with short wave infrared (SWIR) radiation in a first spectral band that is strongly absorbed by water, and with SWIR radiation in a second spectral band such that an interaction of the radiation in both spectral bands with a component of the tissue other than water is substantially identical. An intensity of the radiation in each of the spectral bands that emerges from the tissue is measured. A relative absorption by the tissue of radiation in one of spectral bands relative to absorption by the tissue of radiation in the other of the spectral bands is calculated. A state of the tissue is determined in accordance with the calculated relative absorption.

IPC 8 full level
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WO 2018235091 A2 20181227; WO 2018235091 A3 20190221; CA 3067312 A1 20181227; CA 3067312 C 20220510; CN 110996773 A 20200410; EP 3641634 A2 20200429; EP 3641634 A4 20210310; IL 271377 A 20200130; IL 271377 B 20210831; IL 285975 A 20211031; IL 285975 B1 20230801; IL 285975 B2 20231201

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