

Title (en)

SYSTEMS AND METHODS FOR PREDICTING PATIENT OUTCOME TO CANCER THERAPY

Title (de)

SYSTEME UND VERFAHREN ZUR VORHERSAGE DES PATIENTENERGEBNISSES ZUR KREBSTHERAPIE

Title (fr)

SYSTÈMES ET PROCÉDÉS DE PRÉDICTION DE RÉSULTAT DE PATIENT POUR UN TRAITEMENT DU CANCER

Publication

EP 4078440 A1 20221026 (EN)

Application

EP 19956832 A 20191218

Priority

US 2019067114 W 20191218

Abstract (en)

[origin: WO2021126185A1] Disclosed are systems and methods for predicting patient response to a treatment option. In one embodiment, the image slides from patient tissue samples are divided into patches and morphological patterns correlated with a disease outcome are labeled and given a patch-level score, based on whether the morphological patterns occur only in patients with good outcomes or patients with poor outcomes. A patient-level score can be generated based, at least partly, on the patch-level scores. Patch-level scores can identify regions of interest for targeted biomarker identification.

IPC 8 full level

G06T 7/00 (2017.01); **G06T 7/10** (2017.01); **G06V 10/25** (2022.01)

CPC (source: EP US)

G06F 18/23 (2023.01 - EP); **G06F 18/24133** (2023.01 - EP); **G06T 7/0014** (2013.01 - EP US); **G06V 10/25** (2022.01 - EP US); **G06V 10/82** (2022.01 - EP US); **G06V 20/695** (2022.01 - EP US); **G06V 20/698** (2022.01 - EP US); **G06T 2207/10024** (2013.01 - EP); **G06T 2207/10064** (2013.01 - EP); **G06T 2207/20081** (2013.01 - EP); **G06T 2207/20084** (2013.01 - EP); **G06T 2207/30024** (2013.01 - EP); **G06T 2207/30096** (2013.01 - EP); **G06V 2201/03** (2022.01 - EP)

Designated contracting state (EPC)

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Designated extension state (EPC)

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