Title (en)
METHOD FOR AN AUTOMATIC, SEMANTIC-BASED, FUNCTIONAL TISSUE ANNOTATION OF HISTOLOGICAL AND CELLULAR FEATURES IN ORDER TO IDENTIFY MOLECULAR FEATURES IN TISSUE SAMPLES

Title (de)
VERFAHREN ZUR AUTOMATISCHEN SEMANTIKBASIERTEN FUNKTIONELLEN GEWEBEKOMMENTIERUNG HISTOLOGISCHER UND ZELLULÄRER MERKMALE ZUR IDENTIFIZIERUNG VON MOLEKULAREN MERKMALEN IN GEWEBEPROBEN

Title (fr)
PROCÉDÉ POUR UNE ANNOTATION AUTOMATIQUE DE TISSU FONCTIONNELLE, BASÉE SUR LA SÉMANTIQUE, DE CARACTÉRISTIQUES HISTOLOGIQUES ET CELLULAIRES AFIN D'IDENTIFIER DES CARACTÉRISTIQUES MOLÉCULAIRES DANS DES ÉCHANTILLONS DE TISSU

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Application
EP 21710187 A 20210212

Priority
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Abstract (en)
[origin: WO2021160802A1] The present invention relates to a method for automated analysis and histological classification of a tissue section. The inventors developed a new imaging pipeline which is a computational multimodal workflow designed to combine molecular imaging data with multiplex immunohistochemistry (IHC). It allows comprehensive and spatially resolved in situ correlation analyses on a cellular resolution. Said pipeline was used to perform an automatic, semantic-based, functional tissue annotation of histological and cellular features in order to identify metabolic profiles. Spatial correlation networks were generated to analyse metabolic heterogeneity associated with cellular features.

IPC 8 full level
G16H 30/40 (2018.01); **G06T 7/00** (2017.01); **G06V 10/24** (2022.01); **G16H 10/40** (2018.01); **G16H 50/20** (2018.01)

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