

Title (en)  
SYSTEMS AND METHODS FOR DETECTING AN INDICATION OF A VISUAL FINDING TYPE IN AN ANATOMICAL IMAGE

Title (de)  
SYSTEME UND VERFAHREN ZUR ERKENNUNG EINER ANZEIGE EINES VISUELLEN BEFUNDS IN EINEM ANATOMISCHEN BILD

Title (fr)  
SYSTÈMES ET PROCÉDÉS DE DÉTECTION D'UNE INDICATION D'UN TYPE DE RECHERCHE VISUELLE DANS UNE IMAGE ANATOMIQUE

Publication  
**EP 3791325 A4 20220413 (EN)**

Application  
**EP 19800738 A 20190507**

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Abstract (en)  
[origin: EP3567525A1] There is provided a method comprising: providing two anatomical images 104 of a target individual, each captured at a unique orientation of the target individual, inputting first and second anatomical images respectively into a first and second convolutional neural network (CNN) of a classifier to respectively output first and second feature vectors, inputting a concatenation of the first and second feature vectors into a fully connected layer of the classifier 110, and computing an indication of distinct visual finding(s) 112 present in the anatomical images by the fully connected layer, wherein the statistical classifier is trained on a training dataset including two anatomical images of each respective sample individual, each image captured at a respective unique orientation of the target individual, and a tag created based on an analysis that maps respective individual sentences of a text based radiology report to one of multiple indications of visual findings.

IPC 8 full level  
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**G06F 18/256** (2023.01 - EP US); **G06V 10/454** (2022.01 - EP US); **G06V 2201/03** (2022.01 - EP)

Citation (search report)

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