

Title (en)  
DETERMINATION OF A PROBABILITY INDICATOR VALUE

Title (de)  
BESTIMMUNG EINES WAHRSCHEINLICHKEITSINDIKATORWERTS

Title (fr)  
DÉTERMINATION D'UNE VALEUR D'INDICATEUR DE PROBABILITÉ

Publication  
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Application  
**EP 13819022 A 20131219**

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- EP 2013077309 W 20131219
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Abstract (en)  
[origin: WO2014096147A2] The present invention concerns a method (Z) of determining a probability indicator value (PI) representing a probability of a presence of a genetic predisposition of a being for a specific illness. The method (Z) comprises the steps of providing (Y) a number of input image data (ID) of an organ or structure which potentially shows phenomena of the specific illness from a tomographic imaging device (5), analyzing (X) the input image data (ID) by extracting therefrom a number of low-level phenotypical features (PF, PF1, PF2, PF3), providing (W) a plurality of phenotypical reference features (PRF) derived from reference image data of the same organ or structure of a number of reference beings and/or a database (DB) with a number of datasets (DS) representing the phenotypical reference features (PRF), the plurality of phenotypical reference features (PRF) comprising such phenotypical reference features (PRF) which correspond with the phenotypical features (PF, PF1, PF2, PF3) of the input image data (ID), processing (U) the phenotypical features (PF, PF1, PF2, PF3) of the input image data (ID) through a classification and/or comparison algorithm based on the number of phenotypical reference features (PRF) and/or on the datasets (DS), deriving (T) the probability indicator value (PI) from the processing (U). The invention also concerns a determination assembly (9) for that purpose.

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Citation (search report)  
See references of WO 2014096147A2

Citation (examination)  

- US 6282305 B1 20010828 - HUO ZHIMIN [US], et al
- WO 2014080305 A2 20140530 - KONINKL PHILIPS NV [NL]

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