RAPID ASSESSMENT AND OUTCOME ANALYSIS FOR MEDICAL PATIENTS

Machine learning (46) is used (26) to assess data for a patient in an emergency, providing (28) rapid diagnosis based on a large amount of information. Assistance in triage (30) may be provided. Given the large variety of patients and conditions that may occur, the machine learning (46) may rely on synthetically generated (42) images for more accurate prediction. The machine learning (46) may accurately predict (28) even with missing information and may be used to determine (34) what missing information for a given patient is more or less important to obtain.
# DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
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<tr>
<th>Category</th>
<th>Citation of document with indication, where appropriate, of relevant passages</th>
<th>Relevant to claim</th>
<th>CLASSIFICATION OF THE APPLICATION (IPC)</th>
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<td>* par. 26, 29-32, 55-56, 61-64, 61-82, 86, 95, 105 *</td>
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**TECHNICAL FIELDS SEARCHED (IPC)**

G16H

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The present search report has been drawn up for all claims

**Place of search**  
Munich  
**Date of completion of the search**  
13 September 2018  
**Examiner**  
Bankwitz, Robert

**CATEGORY OF CITED DOCUMENTS**

- T: theory or principle underlying the invention
- E: earlier patent document, but published on, or after the filing date
- D: document cited in the application
- L: document cited for other reasons
- A: technological background
- O: non-written disclosure
- P: intermediate document
- W: member of the same patent family, corresponding document
CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

☐ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

1–14

☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).
The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-14

   providing order of triage and outputting missing source of information based on features and condition for patient

2. claims: 15-18

   training machine-learnt classifier using emulated medical images
This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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For more details about this annex: see Official Journal of the European Patent Office, No. 12/82.