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(54) Title: COMPUTED TOMOGRAPHY AND TOMOSYNTHESIS SYSTEM


Declarations under Rule 4.17:
— as to the identity of the inventor (Rule 4.17(b))
— as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(e))

[Continued on next page]

(54) Title: COMPUTED TOMOGRAPHY AND TOMOSYNTHESIS SYSTEM

(57) Abstract: A computed tomography system adapted for tomosynthesis provides sectional and planar images comparable to conventional systems. The computed tomography system includes an inner circular gantry and an outer gantry within a housing assembly. A plurality of spaced apart radiology plates are located along a surface of the inner circular gantry. An x-ray source is security to the outer gantry and adapted to shoot x-rays between the spaced apart phosphor surfaces and onto the patient.
Published:
— with international search report (Art. 21(3))
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

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2 August 2012
A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61 B 6/00 (201 2.01)
USPC - 378/15

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
USPC: 378/15

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
IPC: A61B6/00; USPC: 378/4,15,17,20,21,197 (keyword limited; terms below)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PubWEST (USPT, PGPB, EPAB, JPAB); Google Scholar; Google Patents
Keywords: CT; tomography; radiography; gantry; inner hoop; outer hoop; driver; plates

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category*</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>US 2004/0264627 A1 (BESSON) 30 December 2004 (30.12.2004), entire document, especially; para [0015], [0016], [0016], [0106], [0109];[0111], [0115], [0133], [0136], [0179], [0187], [0188], [0217], [0252], [0256], [0309], [0311]</td>
<td>1 - 20</td>
</tr>
<tr>
<td>A</td>
<td>US 2009/003518 A1 (SADAKANE et al.) 01 January 2009 (01.01.2009), entire document</td>
<td>1 - 20</td>
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</tbody>
</table>

Further documents are listed in the continuation of Box C.

*Special categories of cited documents:
  "A" document defining the general state of the art which is not considered to be of particular relevance
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  "Y1" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
  "&" document member of the same patent family

Date of the actual completion of the international search: 17 May 2012 (17.05.2012)

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