Abstract: An automated transaction integrity monitoring system (100) operative to monitor electronic transactions of an enterprise and detect exceptions indicating noncompliance with enterprise policies. An extractor (140) obtains data from heterogeneous data sources such as enterprise databases. A staging database (155) caches data from the data sources. A mapper (150) maps enterprise data into an enterprise ontology used to express enterprise policies. A knowledge base (165) stores computer-executable policy statements, extractor data, and mapper data. A collaborative reasoning engine (CORE) (160) executes policy statements against the monitoring database and determines exceptions from CORE. A case management system (190) provides for analysis and tracking of exceptions.

[Continued on next page]

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— as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

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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)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

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>
</table>

Further documents are listed in the continuation of Box C.

See patent family annex.

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Name and mailing address of the ISA/US
Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Authorized officer
Ella Colbert
Telephone No. 571-272-6741

Facsimile No. (571) 273-3201

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Continuation of B. FIELDS SEARCHED Item 3:
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database monitoring, policies, rules, compliance enterprises.