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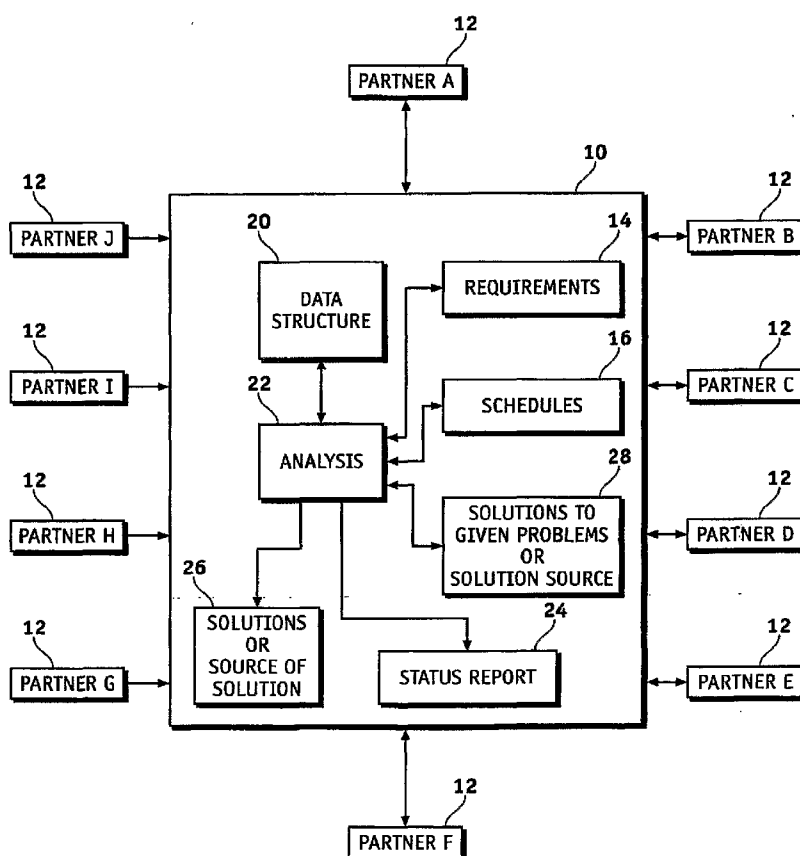
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[Continued on next page]

(54) Title: ENGINEERING MANUFACTURING ANALYSIS SYSTEM



(57) Abstract: A network based and automated engineering manufacturing analysis system as described herein is configured to manage producibility characteristics of a project or program throughout the lifecycle of the project or program. The system utilizes a collaborative data relationship and management tool that maintains metadata to create relationships between different information types for the project or program. The system relies upon real-time collaborative status updates that identify whether participants (e.g., vendors, designers, suppliers, and manufacturers) are satisfying requirements related to producibility characteristics. One example system designates a set of specified requirements for each project milestone level, and expects participants to provide electronic files, documents, or artifacts that evidence satisfaction of such requirements. The system processes requirement status updates in substantially real-time such that all participants can view the current project health and status at any time during the lifecycle of the project.



European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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## A. CLASSIFICATION OF SUBJECT MATTER

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USPC - 709/205

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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USPC: 709/205

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched.  
USPC: 709/201, 203, 205, 223, 238; 715/700, 736, 740, 751

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

PubWEST (PGPB,USPT,EPAB,JPAB); Google Scholar

Search Terms Used: project, management, system, framework, relationship, metadata, attribute, analysis, status, customers, suppliers, vendors, partners, product, deliverable, schedule, milestone, problem, solution, readiness, engineering, manufacturing etc.

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages                                                                                                                                                                             | Relevant to claim No. |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| X         | US 2005/0114829 A1 (ROBIN et al.) 26 May 2005 (26.05.2005), entire document, especially Fig. 14 and 34-42, para [0273], [0452], [0501], [1565], [1653]-[1654], [1659], [1661], [1685], [1691]-[1692], [1765], [1768]-[1769], [1845], [1967], [2160] and [2164] | 1-26                  |
| A         | US 2006/0005157 A1 (SAXENA et al.) 05 January 2006 (05.01.2006)                                                                                                                                                                                                | 1-26                  |
| A         | US 2004/0107125 A1 (GUHEEN et al.) 03 June 2004 (03.06.2004)                                                                                                                                                                                                   | 1-26                  |

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