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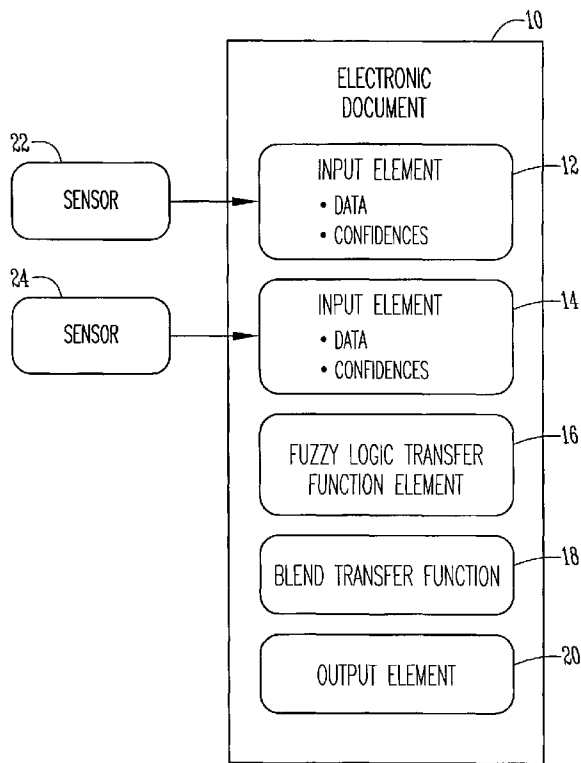
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[Continued on next page]

(54) Title: SCRIPTABLE INFERENCE NETWORKS FOR SENSOR INFORMATION FUSION



(57) Abstract: A system for breaking down complex problems and evaluating by common continuous inference network (CINET) agents, includes a hierarchical script and a plurality of relational electronic documents wherein each electronic document includes: (a) a plurality of information input elements comprising data and confidences; (b) a fuzzy logic transfer function element; and (c) an output element.

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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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<p>A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - G06F 9/44 (2008.04) USPC - 706/52 According to International Patent Classification (IPC) or to both national classification and IPC</p>																	
<p>B. FIELDS SEARCHED</p> <p>Minimum documentation searched (classification system followed by classification symbols) IPC(8): G06F 9/44 (2008.04) USPC: 706/52</p> <p>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched 706/45,50-51</p> <p>Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) USPTO WEST (PGPB, USPT, EPAB, JPAB); Google Search Terms Used: inference, network, engine, fuzzy, sensor, hierarch\$, script, code, chemical, xml, relational, CINET, continuous,</p>																	
<p>C. DOCUMENTS CONSIDERED TO BE RELEVANT</p> <table border="1"> <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>X --- Y</td> <td>US 2004/0059705 A1 (WITTKÉ et al.) 25 March 2004 (25.03.2004), entire document, especially para [0094], [0106], [0125]-[0129], [0264]-[0267], [0303], Fig 14B, 48 and abstract</td> <td>1-6, 9-14, 17 ----- 7-8, 15-16</td> </tr> <tr> <td>Y</td> <td>US 6,950,813 B2 (SRINIVASA et al.) 27 September 2005 (27.09.2005), entire document, especially abstract and Fig 1</td> <td>7</td> </tr> <tr> <td>Y</td> <td>US 2005/0171746 A1 (THALHAMMER-REYERO) 04 August 2005 (04.08.2005), entire document, especially para [0069]-[0077]</td> <td>8, 15-16</td> </tr> <tr> <td>A</td> <td>US 5,701,400 A (AMADO) 23 December 1997 (23.12.1997)</td> <td>1-17</td> </tr> </tbody> </table>			Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X --- Y	US 2004/0059705 A1 (WITTKÉ et al.) 25 March 2004 (25.03.2004), entire document, especially para [0094], [0106], [0125]-[0129], [0264]-[0267], [0303], Fig 14B, 48 and abstract	1-6, 9-14, 17 ----- 7-8, 15-16	Y	US 6,950,813 B2 (SRINIVASA et al.) 27 September 2005 (27.09.2005), entire document, especially abstract and Fig 1	7	Y	US 2005/0171746 A1 (THALHAMMER-REYERO) 04 August 2005 (04.08.2005), entire document, especially para [0069]-[0077]	8, 15-16	A	US 5,701,400 A (AMADO) 23 December 1997 (23.12.1997)	1-17
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<p><input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/></p>																	
<p>* Special categories of cited documents:</p> <table border="0"> <tr> <td>"A" document defining the general state of the art which is not considered to be of particular relevance</td> <td>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>"E" earlier application or patent but published on or after the international filing date</td> <td>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td>"Y" 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</td> </tr> <tr> <td>"O" document referring to an oral disclosure, use, exhibition or other means</td> <td>"&" document member of the same patent family</td> </tr> <tr> <td>"P" document published prior to the international filing date but later than the priority date claimed</td> <td></td> </tr> </table>			"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" 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	"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family	"P" document published prior to the international filing date but later than the priority date claimed						
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<p>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 Facsimile No. 571-273-3201</p>		<p>Authorized officer: Lee W. Young PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774</p>															