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(54) Title: AUTOMATED CLIENT-SERVER DATA VALIDATION

(57) Abstract: The present invention provides a way to validate data entry at both the client and the server with minimal engineering effort. The system allows the specification of data validation rules for a form on a server. The system provides a version of the rules with the form to the client computer. The system also executes the rules on the server for further validation. The system may translate the rules into JavaScript data structures, passed as the version to the client for client-side validation. Because the rules for the form are specific only once, there is no possibility of the rules becoming out of sync between the form on the client and on the server.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06F17/24

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)

IPC 7 G06F

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 practical, search terms used)

INSPEC, IBM-TDB, EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>DATABASE INSPEC 'Online! THE INSTITUTION OF ELECTRICAL ENGINEERS, STEVENAGE, GB; Inspec No. 6889583, 2000 BRABRAND ET AL: "PowerForms: declarative client-side form field validation" XP002172597 abstract & BRABRAND ET AL: "PowerForms: Declarative Client-Side Form Field Validation" WORLD WIDE WEB, vol. 3, no. 4, 2000, pages 205-214, NL</p> <p style="text-align: center;">---</p> <p style="text-align: center;">-/--</p>	1-45

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* 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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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

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

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

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.

G document member of the same patent family

Date of the actual completion of the international search

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>CHAN: "Form Management in the Vicomte Workflow System"</p> <p>PROCEEDINGS OF THE 32ND HAWAII INTERNATIONAL CONFERENCE ON SYSTEM SCIENCES,</p> <p>1999, pages 1-10, XP002172628</p> <p>US</p> <p>the whole document</p> <p>----</p>	1-45
A	<p>US 5 999 948 A (NELSON ET AL)</p> <p>7 December 1999 (1999-12-07)</p> <p>the whole document</p> <p>-----</p>	1-45

Information on patent family members

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Patent document
cited in search report

Publication
date

Patent family member(s)

Publication
date

US 5999948	A	07-12-1999	NONE
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