

PATENT COOPERATION TREATY

TRANSLATION

From the
INTERNATIONAL SEARCHING AUTHORITY

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

To:

Date of mailing
(day/month/year)

Applicant's or agent's file reference
0651980

FOR FURTHER ACTION
See paragraph 2 below

International application No.
PCT/JP2007/000334

International filing date (day/month/year)
29.03.2007

Priority date (day/month/year)

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

Applicant
FUJITSU LIMITED

1. This opinion contains indications relating to the following items:

- Box No. I Basis of the opinion
- Box No. II Priority
- Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- Box No. IV Lack of unity of invention
- Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- Box No. VI Certain documents cited
- Box No. VII Certain defects in the international application
- Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/JP	Date of completion of this opinion	Authorized officer
Facsimile No.		Telephone No.

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Box No. I	Basis of this opinion
1.	<p>With regard to the language, this opinion has been established on the basis of:</p> <p><input checked="" type="checkbox"/> the international application in the language in which it was filed</p> <p><input type="checkbox"/> the translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rule 12.3(a) and 23.1(b)).</p>
2.	<p>With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:</p> <p>a. type of material</p> <p><input type="checkbox"/> a sequence listing</p> <p><input type="checkbox"/> table(s) related to the sequence listing</p> <p>b. format of material</p> <p><input type="checkbox"/> on paper</p> <p><input type="checkbox"/> in electronic form</p> <p>c. time of filing/furnishing</p> <p><input type="checkbox"/> contained in the international application as filed</p> <p><input type="checkbox"/> filed together with the international application in electronic form</p> <p><input type="checkbox"/> furnished subsequently to this Authority for the purposes of search</p>
3.	<p><input type="checkbox"/> In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.</p>
4.	<p>Additional comments:</p>

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Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement																											
1. Statement	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%; padding: 5px;">Novelty (N)</td> <td style="width: 60%; padding: 5px;"> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; padding: 5px;">Claims</td> <td style="padding: 5px;"><u>1-7</u></td> <td style="width: 30%; padding: 5px;">YES</td> </tr> <tr> <td style="padding: 5px;">Claims</td> <td style="border-bottom: 1px solid black; padding: 5px;"></td> <td style="padding: 5px;">NO</td> </tr> </table> </td> <td style="width: 10%;"></td> </tr> <tr> <td style="padding: 5px;">Inventive step (IS)</td> <td style="padding: 5px;"> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; padding: 5px;">Claims</td> <td style="border-bottom: 1px solid black; padding: 5px;"></td> <td style="padding: 5px;">YES</td> </tr> <tr> <td style="padding: 5px;">Claims</td> <td style="padding: 5px;"><u>1-7</u></td> <td style="padding: 5px;">NO</td> </tr> </table> </td> <td></td> </tr> <tr> <td style="padding: 5px;">Industrial applicability (IA)</td> <td style="padding: 5px;"> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; padding: 5px;">Claims</td> <td style="padding: 5px;"><u>1-7</u></td> <td style="padding: 5px;">YES</td> </tr> <tr> <td style="padding: 5px;">Claims</td> <td style="border-bottom: 1px solid black; padding: 5px;"></td> <td style="padding: 5px;">NO</td> </tr> </table> </td> <td></td> </tr> </table>	Novelty (N)	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; padding: 5px;">Claims</td> <td style="padding: 5px;"><u>1-7</u></td> <td style="width: 30%; padding: 5px;">YES</td> </tr> <tr> <td style="padding: 5px;">Claims</td> <td style="border-bottom: 1px solid black; padding: 5px;"></td> <td style="padding: 5px;">NO</td> </tr> </table>	Claims	<u>1-7</u>	YES	Claims		NO		Inventive step (IS)	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; padding: 5px;">Claims</td> <td style="border-bottom: 1px solid black; padding: 5px;"></td> <td style="padding: 5px;">YES</td> </tr> <tr> <td style="padding: 5px;">Claims</td> <td style="padding: 5px;"><u>1-7</u></td> <td style="padding: 5px;">NO</td> </tr> </table>	Claims		YES	Claims	<u>1-7</u>	NO		Industrial applicability (IA)	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; padding: 5px;">Claims</td> <td style="padding: 5px;"><u>1-7</u></td> <td style="padding: 5px;">YES</td> </tr> <tr> <td style="padding: 5px;">Claims</td> <td style="border-bottom: 1px solid black; padding: 5px;"></td> <td style="padding: 5px;">NO</td> </tr> </table>	Claims	<u>1-7</u>	YES	Claims		NO	
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2. Citations and explanations:	<p style="text-align: center;">The following documents are cited in the ISR:</p> <p>Document 1: JP 2002-158673 A (NEC Corp.), 31 May 2002, paragraphs [0022]-[0028] (Family: none)</p> <p>Document 2: JP 2003-330836 A (Hitachi, Ltd.), 21 November 2003, paragraphs [0086]-[0091] (Family: none)</p> <p>Document 3: JP 2006-113783 A (Hitachi, Ltd.), 27 April 2006, paragraphs [0034], [0037] and [0042]-[0045], fig. 3 & US 2006-0085610 A1 & EP 001647891 A2</p> <p>Document 4: JP 2-259848 A (NEC Software Kansai, Ltd.), 22 October 1990, page 2, upper right column, line 14 to lower left column, line 3 (Family: none)</p> <p>The invention as in claims 1 and 7 does not involve an inventive step in view of the invention described in document 1. A person skilled in the art could easily apply the invention described in document 1 to a publicly known client/server system.</p> <p>The invention as in claims 2 and 5 does not involve an inventive step in view of the inventions described in documents 1 and 2. A person skilled in the art could easily apply the technical idea described in document 2 wherein the transmission side stores information indicating difference data into transfer data, while the reception side performs</p>																											

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updating processing of data on the basis of said information, to the invention described in document 1.

The invention as in claims 3 and 4 does not involve an inventive step in view of the invention described in documents 1 and 3. A person skilled in the art could easily apply the technical idea described in document 3 wherein initialization is performed in the case where communication is suspended for a certain period or in the case where synchronization is lost, to the invention described in document 1.

The invention as in claim 6 does not involve an inventive step in view of the inventions described in documents 1, 3 and 4. A person skilled in the art could easily apply the technical idea described in document 4 wherein serial numbers are given to transmission data, to detect an error in the case where any number is missing in the serial numbers received, to the inventions described in documents 1 and 3.