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(71) Applicant (for all designated States except US): **MICROSOFT CORPORATION** [US/US]; One Microsoft Way, Redmond, WA 98052-6399 (US).(72) Inventors: **NANDA, Arun, K.**; One Microsoft Way, Redmond, WA 98052-6399 (US). **SHARIF, Tariq**; One Microsoft Way, Redmond, WA 98052-6399 (US).

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Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

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

Published:

— with international search report (Art. 21(3))

— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(88) Date of publication of the international search report:

11 March 2010

(54) Title: OBTAINING DIGITAL IDENTITIES OR TOKENS THROUGH INDEPENDENT ENDPOINT RESOLUTION

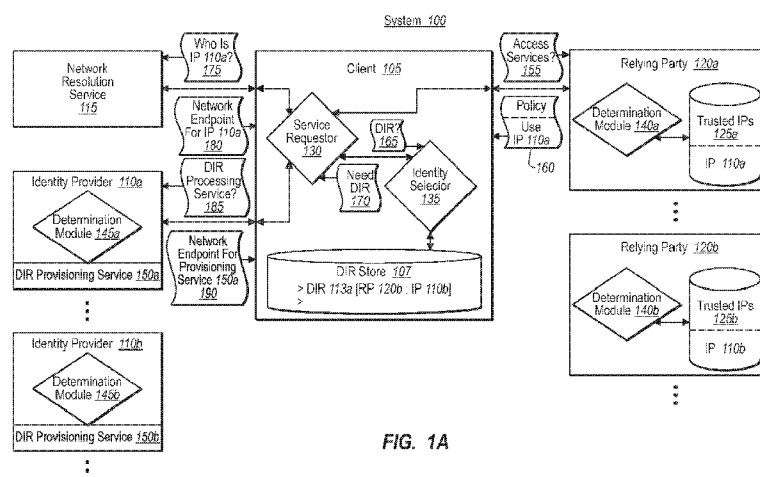


FIG. 1A

(57) Abstract: A federated identity provisioning system includes relying parties, identity providers, and clients that obtain tokens from identity providers for access to a relying party's services. When a client contacts a new relying party, the relying party provides information that the client can independently resolve and evaluate for trustworthiness. For example, the relying party provides a generic domain name address. The client can then resolve the domain name address over various, authenticated steps to identify an endpoint for a digital identity provisioning service. The client can further interact with and authenticate the provisioning service (e.g., requiring digital signatures) to establish a trust relationship. Once determining that the client/user trusts the provisioning service, the client/user can then provide information to obtain a digital identity representation. The client can then use the digital identity representation with the corresponding identity provider to obtain one or more tokens that the relying party can validate.

A. CLASSIFICATION OF SUBJECT MATTER**G06F 21/00(2006.01)i**

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)

IPC8 : G06F

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

Korean Utility models and applications for Utility models since 1975

Japanese Utility models and applications for Utility models since 1975

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

eKOMPASS(KIPO internal) "Identity, token, provider, client"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y A	US 2007-0204168 A1 (KIM CAMERON et al.) 30 August 2007 See abstract; paragraphs [0027]-[0128]; claim 1,8; figures 1,2,4,7,9.	1-4, 20 12, 13, 15, 17-19 5-11
Y A	US 2006-0235761 A1 (BRUCE E. JOHNSON) 19 October 2006 See abstract; paragraphs [0033]-[0042]; figure 2.	12, 13, 15, 17-19 1-11, 20
A	US 2005-0289341 A1 (TIMO RITOLA et al.) 29 December 2005 See abstract; paragraphs [0039]-[0048]; figures 1,4,5.	1-13, 15, 17-20
A	US 2005-223217 A1 (JOHN HAL HOWARD et al.) 06 October 2005 See abstract; paragraphs [0022]-[0055]; figure 1,3.	1-13, 15, 17-20



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"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

"&" document member of the same patent family

Date of the actual completion of the international search

30 DECEMBER 2009 (30.12.2009)

Date of mailing of the international search report

30 DECEMBER 2009 (30.12.2009)

Name and mailing address of the ISA/KR

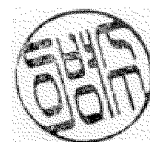
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Government Complex-Daejeon, 139 Seonsa-ro, Seo-
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Authorized officer

Lee Byoung Soo

Telephone No. 82-42-481-5697



INTERNATIONAL SEARCH REPORTInternational application No.
PCT/US2009/045989**Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: 14, 16
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
since a dependent claim should refer to one or more other claims.
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2009/045989

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US 2005-223217 A1	06.10.2005	None	