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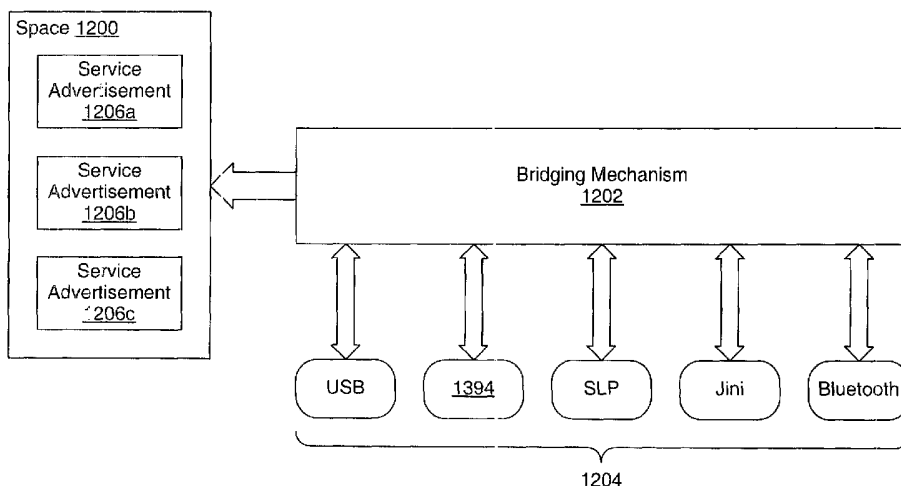
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(54) Title: BRIDGING BETWEEN A DATA REPRESENTATION LANGUAGE MESSAGE-BASED DISTRIBUTED COMPUT-
ING ENVIRONMENT AND OTHER ENVIRONMENTS



(57) Abstract: Various embodiments of mechanisms for bridging data representation language messaging based distributed computing environments to foreign environments are described. A device proxy may implement a device protocol and a distributed computing environment protocol to bridge devices into the distributed computing environment. A client proxy is described that implements the distributed computing environment protocol on behalf of a foreign client such as a browser. A service proxy is described that implements the distributed computing environment protocol on behalf of a foreign service. A transport proxy is described that routes data representation language messages between two different message transports. A distributed computing environment client proxy may allow distributed computing environment clients to access Remote Method Invocation (RMI) -based environment services. An RMI-based environment client proxy may allow RMI-based environment clients to access distributed computing environment services.



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Minimum documentation searched (classification system followed by classification symbols)

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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)

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MUELLER-WILKEN S ET AL: "XML and Jini - On Using XML and the JAVA Border Service Architecture to integrate mobile devices into the JAVA Intelligent Network Infrastructure" WWW, 'Online! 29 February 2000 (2000-02-29), pages 1-2, XP002188507 Retrieved from the Internet: <URL:http://vsys-www.informatik.uni-hamburg.de/publications/viewpub.phtml/66> 'retrieved on 2002-01-28! the whole document --- -/--	1-135

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

☐ Patent family members are listed in annex.

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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	CZERWINSKI S E ET AL: "AN ARCHITECTURE FOR A SECURE SERVICE DISCOVERY SERVICE" MOBICOM '99. PROCEEDINGS OF THE 5TH ANNUAL ACM/IEEE INTERNATIONAL CONFERENCE ON MOBILE COMPUTING AND NETWORKING. SEATTLE, WA, AUG. 15 - 20, 1999, ANNUAL ACM/IEEE INTERNATIONAL CONFERENCE ON MOBILE COMPUTING AND NETWORKING, NEW YORK, NY: ACM, US, vol. CONF. 5, 15 August 1999 (1999-08-15), pages 24-35, XP000896069 ISBN: 1-58113-142-9 Chapter 6 abstract ---	1-135
A	MCKEE P ET AL: "Behavioural specification using XML" DISTRIBUTED COMPUTING SYSTEMS, 1999. PROCEEDINGS. 7TH IEEE WORKSHOP ON FUTURE TRENDS OF CAPE TOWN, SOUTH AFRICA 20-22 DEC. 1999, LOS ALAMITOS, CA, USA, IEEE COMPUT. SOC, US, 20 December 1999 (1999-12-20), pages 53-59, XP010367828 ISBN: 0-7695-0468-X the whole document -----	1-135