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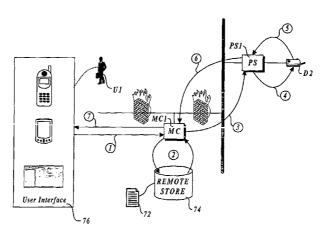
- (71) Applicant: PEERLESS SYSTEMS CORPORATION [US/US]; 2381 Rosecrans Avenue, El Segundo, CA 90245 (US).
- (72) Inventors: COCOTIS, Thomas, A.; 17111 Ash Street, Apt. C, Huntington Beach, CA 92647 (US). CURTIS, Alan, D.; 1781 Valley Park Avenue, Hermosa Beach, CA 90254 (US). EMMETT, David, M.; 3587 La Mata Way,

Palo Alto, CA 94306 (US). FAN, Shengkuo; 5708 Stever Court, Culver City, CA 90230 (US). HENDERSON, Kristofer, P.; 8720 18th Avenue N.W., Seattle, WA 98117 (US). LUEPKE, Jack, W.; 7605 Mt. Baldy Road, Mt. Baldy, CA 91759 (US). NELLOR, Howard, J.; 6690 Vista Del Mar, #1, Playa del Rey, CA 90293 (US). TREPTOW, Jay, A.; 22329 S.E. 244th Place, Maple Valley, WA 98038 (US). WONG, Gregory, H.; 17026 Casimir Avenue, Torrance, California 90504 (US).

- (74) Agents: BURNETT, Alan, R. et al.; Blakely, Sokoloff, Taylor & Zafman, 7th Floor, 12400 Wilshire Blvd., Los Angeles, CA 90025-1026 (US).
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[Continued on next page]

(54) Title: OUTPUT MANAGEMENT SYSTEM AND METHOD FOR ENABLING PRINTING VIA WIRELESS DEVICES



(57) **Abstract:** A system and method for managing output such as printing, faxing, and e-mail over various types of computer networks. In one aspect, the method provides for printing via a wireless device. The system provides rendereable data to the wireless device by which a user-interface (UI) (76) may be rendered. The UI enables users (u1) to select source data and an output device on which the source data are to be printed. The source data are then retrieved from a local or remote store (74) and forward to a print service, which renders output image data corresponding to the source data and the output device that was selected. The output image data are then submitted to the output device to be physically rendered. The user-interfaces enable wire and wireless devices to access the system. The system enables documents (72) to be printed by reference, and enables access to resources behind firewalls.

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European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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### INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER						
IPC(7) : G06F 15/16 US CL : 345/2.3; 379/88.13; 713/201; 709/311						
US CL : 345/2.3; 379/88.13; 713/201; 709/311 According to International Patent Classification (IPC) or to both national classification and IPC						
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Minimum doc	cumentation searched (classification system followed by	v classifica	tion symbols)			
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched NONE						
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	UMENTS CONSIDERED TO BE RELEVANT	· · · · · · · · · · · · · · · · · · ·		D.1		
Category *	Citation of document, with indication, where ap			Relevant to claim No.		
Y	FLYNN, et. al. The Satchel System Architecture: mc December 2000, ISSN: 1383-469X, pages 243-258. I			1-20		
	243, section 2.2 on page 244, sections 3-4 on pages 2					
	247, section 6 on page 248, sections 7.2-7.5 on page	249, secto	, . •			
	251, section 9 on pages 252-253, section 11.2 on pages 252-252, section 11.2 on pages 252-252, section 11.2 on pages 252-252	ge 255.				
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Y	VARSHNEY et. al. Emerging mobile and wireless n pages 73-81. Relevant passages: Wireless LAN stand			1-20		
	Application Protocol section on pages 78-78.	.ara scotiul	. o., pago 75-70, 11 Heless			
	FF					
Y	US 6,255,800 A (BORK) July 3 2001, abstract, colu			21-57		
,,,	lines 41-47, 52-60, column 6, lines 4-7, and 14-45, column 7, lines 5-13.					
Y	WO 01/42894 A1 (LARSON et. al.) June 14 2001, page 1, lines 23-26, page 2, lines 16-29, page 4, lines 20-35, page 5, lines 1-3, 20-26, page 6, lines 9-12, 16-36, page 7, lines 11-29,					
	page 4, times 20-35, page 5, times 1-3, 20-20, page 6, times 9-12, 10-36, page 7, times 11-29, page 8, lines 8-27, page 9, lines 1-13, and 23-27, page 10 lines 14-30, page 11, lines 1-5,					
	page 12, line 24-page 14, line 4, page 15, lines 3-11, 22-26, and 29-34, page 16, lines 4-27,					
	page 17, lines 11-31, page 18, lines 15-34, page 20, line 25-page 21, line 34, page 23, lines					
	1-6, page 26, lines 9-25.					
Eurthan	documents are listed in the continuation of Pay C		See notent family anney			
Further documents are listed in the continuation of Box C.		<u>"T"</u>	See patent family annex.	rmational filing data or priority		
date and not in conflict with the application but cited to understand the						
"A" document defining the general state of the art which is not considered to be principle or theory underlying the invention of particular relevance						
		"X"	document of particular relevance; the considered novel or cannot be conside			
-	plication or patent published on or after the international filing date		when the document is taken alone	red to involve an inventive step		
	t which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as	"Y"	document of particular relevance; the	claimed invention cannot be		
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"O" document	t referring to an oral disclosure, use, exhibition or other means		being obvious to a person skilled in the			
"P" document	t published prior to the international filing date but later than the	"&"	document member of the same patent	family		
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Form PCT/ISA/210 (second sheet) (July 1998)

PCT/US02/26783

## INTERNATIONAL SEARCH REPORT

## C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

ategory *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
Y	US 6,088,796 A (CIANFROCCA et. al.) 11 July 2000, column 2, line 11-column 3, line 40, column 8, line 40-column 9, line 35, column 12, line 47-column 13, line 50.	58-72
Y	Flynn, et. al. The Satchel System Architecture: document services, December 2000, ISSN: 1383-469X, pages 243-258. Relevant passages: Introduction on page 243, section 2.2 on page 244, sections 3-4 on pages 244-246, sections 4.1-4.2 on pages 246-247, section 6 on page 248, sections 7.2-7.5 on page 249, section 7.8-7-10 on pages 250-251, section 9 on pages 252-253, section 11.2 on page 255.	58-72
Y	US 5,825,891 A (LEVESQUE et. al.) 20 October 1998, abstract, Figs. 1, 3, 8, and column 1, lines 43-55, column 2, lines 4-14, column 4, line 47-column 5, line 22, column 6, lines 16-37.	58-72
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### INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/26783

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)				
This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:				
1. Claim Nos.: because they relate to subject matter not required to be searched by this Authority, namely:				
2. Claim Nos.:  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:				
3. Claim Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).				
Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)				
This International Searching Authority found multiple inventions in this international application, as follows:				
<ol> <li>As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.</li> <li>As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.</li> <li>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.:</li> </ol>				
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.  No protest accompanied the payment of additional search fees.				