

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
31 May 2007 (31.05.2007)

PCT

(10) International Publication Number  
WO 2007/060536 A2

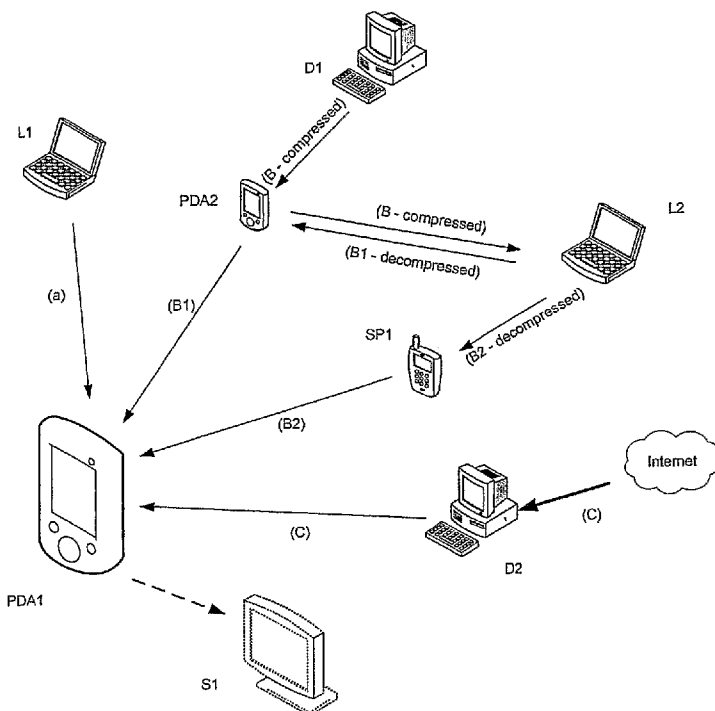
- (51) International Patent Classification:  
H04L 29/06 (2006.01)
- (21) International Application Number:  
PCT/IB2006/003348
- (22) International Filing Date:  
27 November 2006 (27.11.2006)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
60/740,064 28 November 2005 (28.11.2005) US
- (71) Applicant (for all designated States except US): IWICS  
INC [US/US]; 19125 North Creek Parkway, Suite 201,  
Bothell, Washington 98011 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): LARSEN, James,  
David [ZA/US]; 22111 55th Avenue SE, Woodinville,  
Washington 98072-8370 (US).
- (74) Agents: SPOOR & FISHER et al.; PO Box 454, 0001  
Pretoria (ZA).

- (81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS,  
JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS,  
LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY,  
MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS,  
RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN,  
TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT,  
RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA,  
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:  
— without international search report and to be republished  
upon receipt of that report

[Continued on next page]

(54) Title: INTELLIGENT VIDEO, DATA STREAMING AND ACCESS TO DISTRIBUTED RESOURCES IN A WIRELESS NETWORK



(57) Abstract: The invention provides a method of operating a network which comprises a plurality of stations each able to transmit and receive data so that the network can transmit data directly, or indirectly via one or more intermediate stations, between a requesting station and potential resource providing stations. The method comprises monitoring, at each station, the activity and/or resources of other stations on the network to establish the availability of resources at the other stations, and transmitting, from a requesting station requiring a specified resource, resource request probe signals identifying the specified resource. The resource may be data, connectivity, memory/storage, or another resource. At each station receiving the resource request probe signals, the availability of the specified resource or a portion thereof is determined, and hence whether said station is a potential resource providing station. If such a potential resource providing station has the specified resource or a portion thereof, response data is transmitted directly, or indirectly

via one or more intermediate stations, to the requesting station indicating the availability of the specified resource or portion thereof to the requesting station. The requesting station is then given access to the specified resource or portion thereof from at least one resource providing station selected from one or more potential resource providing stations. The invention extends to a network for implementing the method.

WO 2007/060536 A2