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Paper No. ___

PETITIONER'S DEMONSTRATIVES FOR ORAL ARGUMENT

Case IPR2013-00601 U.S. Patent No. 6,772,215

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Inter Partes Review Nos. 2013-00601, 2013-00602, and 2013-00636 U.S. Patent Nos. 6,772,215, 6,466,568, and 6,424,625

PETITIONER'S ORAL ARGUMENT

Overview for '215 Patent

Description of '215 patent

 Overview of Applied Seo Prior Art Reference & Anticipation of Claims

Issues Raised by Patent Owner

The '215 Patent

LISM6777215B1

(12) United States Patent Rathonvi et al.

(10) Patent No.: US 6,772,215 B1 (45) Date of Patent: Aug. 3, 2004

(54)	METHOD FOR MINIMIZING FEEDBACK
	RESPONSES IN ARQ PROTOCOLS

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: 09/537,146

(22) Filed: Mar. 29, 2000

Related U.S. Application Data								
(60)	Provisional 1999.	application	No.	60/128,517,	filed	on	Apr.	9,

(51)	Int. Cl.7	G06F 15/16
(52)	U.S. Cl	
(58)	Field of Search	709/230; 370/229,
		370/232, 394, 395.1, 349

References Cited U.S. PATENT DOCUMENTS

4,439,859 A		Donnan 371/32
5,477,550 A	* 12/1995	Crisler et al 714/748
5,566,170 A	* 10/1996	Bakke et al 370/392
5,673,252 A	* 9/1997	Johnson et al 370/449
5,752,078 A		Delp et al 710/7
5,754,754 A	5/1998	Dudley et al 395/182.16

5,799,012	Α	*	8/1998	Averst et al	370/336
5,968,197	Α	*	10/1999	Doiron	714/748
5,991,299	Α	*	11/1999	Radogna et al	370/392
6,034,963	Α	*	3/2000	Minami et al	370/401
6,069,886	Α	*	5/2000	Ayerst et al	370/336
6,317,430	B1	*	11/2001	Knisely et al	370/394
6,359,877	B 1	*	3/2002	Rathonyi et al	370/349
6,473,399	B1	*	10/2002	Johansson et al	370/229
6,542,490	B1	*	4/2003	Ahmadvand et al	370/338
FO	RE	IG	N PATE	NT DOCUMENTS	

0 768806 A2 4/1997

OTHER PUBLICATIONS

Throughput analysis of some ARQ protocols in the presence of feedback errors by Cam et al.; IEEE; vol. 45 No. 1, Jan. 1907.*

Richard Cam and Cyril Leung; Throughput Analysis of Some ARQ Protocols in the Presence of Feedback Errors; IEEE Transactions on Communications; Jan. 1997; vol. 45, No. 1; pp. 35–44.

ISR, PCT/SE/ 00/00677, Completed Aug. 23, 2000.

* cited by examiner

Primary Examiner—Frantz B. Jean

(57)

A method for minimizing feedback responses in an ARQ protocol is disclosed, whereby different mechanisms can be used to indicate erroneous D-PDUs and construct S-PDUs. The S-PDUs are constructed so as to optimize performance in accordance with certain criteria. One such criterion used is to minimize the size of the S-PDUs. A second such criterion used is to maximize the number of SNs included in an S-PDU of limited size.

ABSTRACT

64 Claims, 3 Drawing Sheets

type=LIST	
LENGTH=0	
LENGTH=4	
SN ₁ =1	Ξ
SN ₂ =25	
SN ₃ =50	
SN ₄ =95	

BROADCOM 1001

Patent No.: US 6,772,215 B1
Date of Patent: Aug. 3, 2004

METHOD FOR MINIMIZING FEEDBACK RESPONSES IN ARQ PROTOCOLS

1. A method for minimizing feedback responses in an ARQ protocol, comprising the steps of:

sending a plurality of first data units over a communication link;

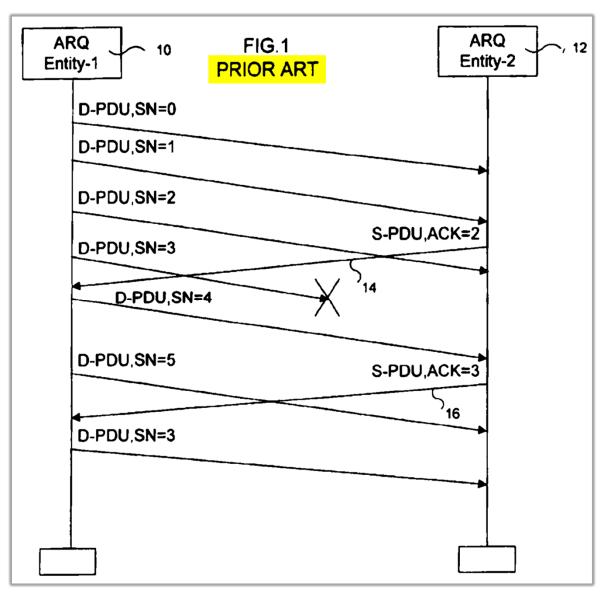
receiving said plurality of first data units; and

responsive to the receiving step, constructing a message field for a second data unit, said message field including a type identifier field and at least one of a sequence number field, a length field, and a content field.

'215 Patent, Claim 1 (Ex. 1001)

DOCKET A L A R M

The '215 Patent Prior Art



'215 Patent, FIG. 1 (Ex. 1001)

DOCKET

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