

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
16 August 2007 (16.08.2007)

PCT

(10) International Publication Number
WO 2007/092257 A1

(51) International Patent Classification:
H04L 1/18 (2006.01)

(21) International Application Number:
PCT/US2007/002776

(22) International Filing Date: 1 February 2007 (01.02.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/764,842 3 February 2006 (03.02.2006) US
60/843,145 8 September 2006 (08.09.2006) US

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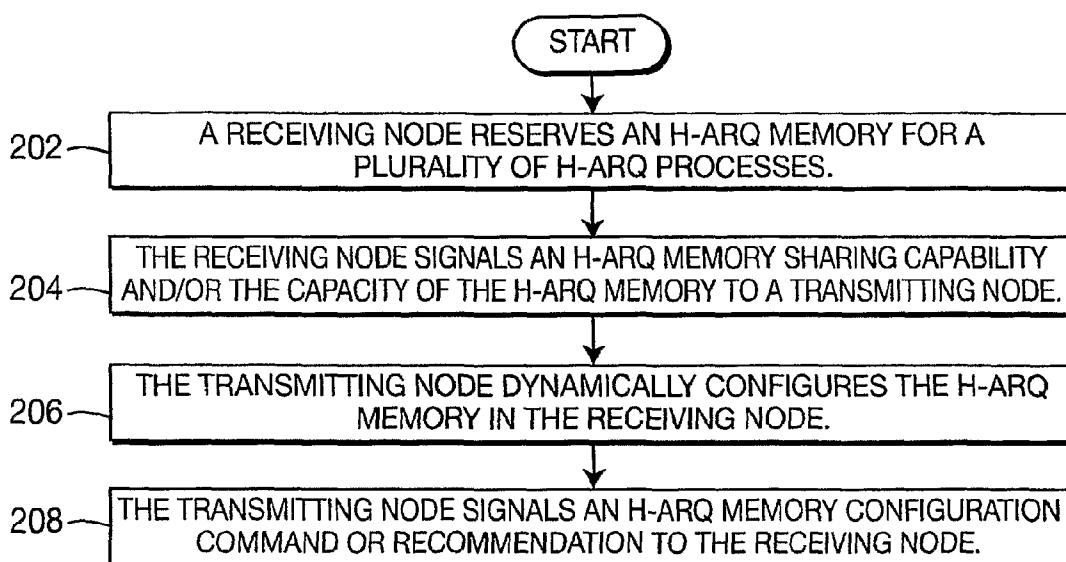
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, 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,

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR DYNAMICALLY CONFIGURING A HYBRID AUTOMATIC REPEAT REQUEST MEMORY



(57) Abstract: A method and apparatus for dynamically configuring a memory for hybrid automatic repeat request (H-ARQ) processes in a receiving node to permit a more flexible H-ARQ memory configuration and improve the performance of H-ARQ processes. An H-ARQ memory in the receiving node is reserved for a plurality of H-ARQ processes. A transmitting node dynamically configures the H-ARQ memory in the receiving node for each H-ARQ transmission so that the memory requirement for a plurality of H-ARQ processes exceeds the H-ARQ memory capacity. If there is insufficient H-ARQ memory available to support H-ARQ transmissions, only a subset of the plurality of H-ARQ processes may be activated at a time. When there is insufficient H-ARQ memory for processing H-ARQ transmissions, a negative acknowledgement (NACK), an acknowledgement (ACK), nothing, and/or information indicating the reason for a failed transmission may be transmitted to a transmitting node.

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RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*