

(19) **United States**(12) **Patent Application Publication** (10) **Pub. No.: US 2003/0076799 A1****Kwak et al.**(43) **Pub. Date: Apr. 24, 2003**(54) **DPCH MULTIPLEXING APPARATUS AND METHOD FOR OUTER LOOP POWER CONTROL IN A W-CDMA COMMUNICATION SYSTEM**Feb. 20, 2001 (KR) 2001-10951
Feb. 22, 2001 (KR) 2001-9082
May 9, 2001 (KR) 2001-25208(75) Inventors: **Yong-Jun Kwak**, Yongin-shi (KR);
Sung-Ho Choi, Songnam-shi (KR);
Beong-Jo Kim, Songnam-shi (KR);
Ju-Ho Lee, Kyonggi-do (KR);
Sung-Oh Hwang, Yongin-shi (KR)**Publication Classification**(51) **Int. Cl.⁷** **H04B 7/216; H04J 3/12**
(52) **U.S. Cl.** **370/335; 370/528**

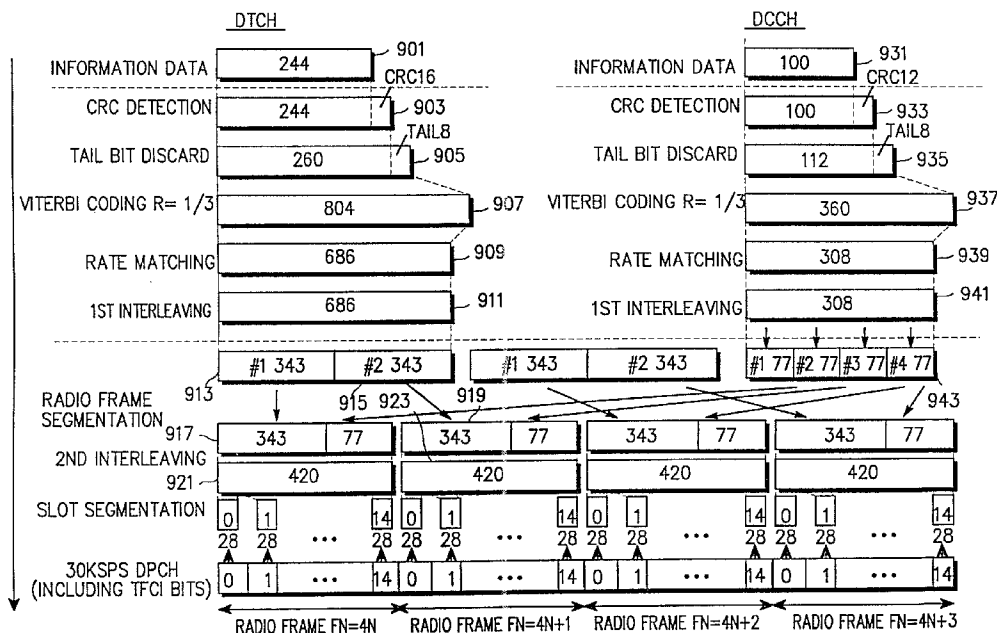
Correspondence Address:

Paul J. Farrell, Esq.
DILWORTH & BARRESE, LLP
333 Earle Ovington Blvd.
Uniondale, NY 11553 (US)(73) Assignee: **SAMSUNG ELECTRONICS CO., LTD.**, KYUNGKI-DO (KR)(21) Appl. No.: **10/079,723**(22) Filed: **Feb. 19, 2002**(30) **Foreign Application Priority Data**

Feb. 19, 2001 (KR) 2001-10172

(57) **ABSTRACT**

Disclosed is a method for transmitting a dedicated physical data channel signal over a dedicated physical data channel in the absence of transmission data to be transmitted over the dedicated physical data channel in order to properly maintain a target SIR (Signal-to-Interference Ratio) when there exists new transmission data after the absence of the transmission data in a CDMA (Code Division Multiple Access) mobile communication system. The method comprises generating a dummy bit generation request signal in the absence of the transmission data; and upon receipt of the dummy bit generation request signal, generating a dummy bit stream, and transmitting a dedicated physical data channel signal created by attaching the CRC bit stream to the dummy bit stream.



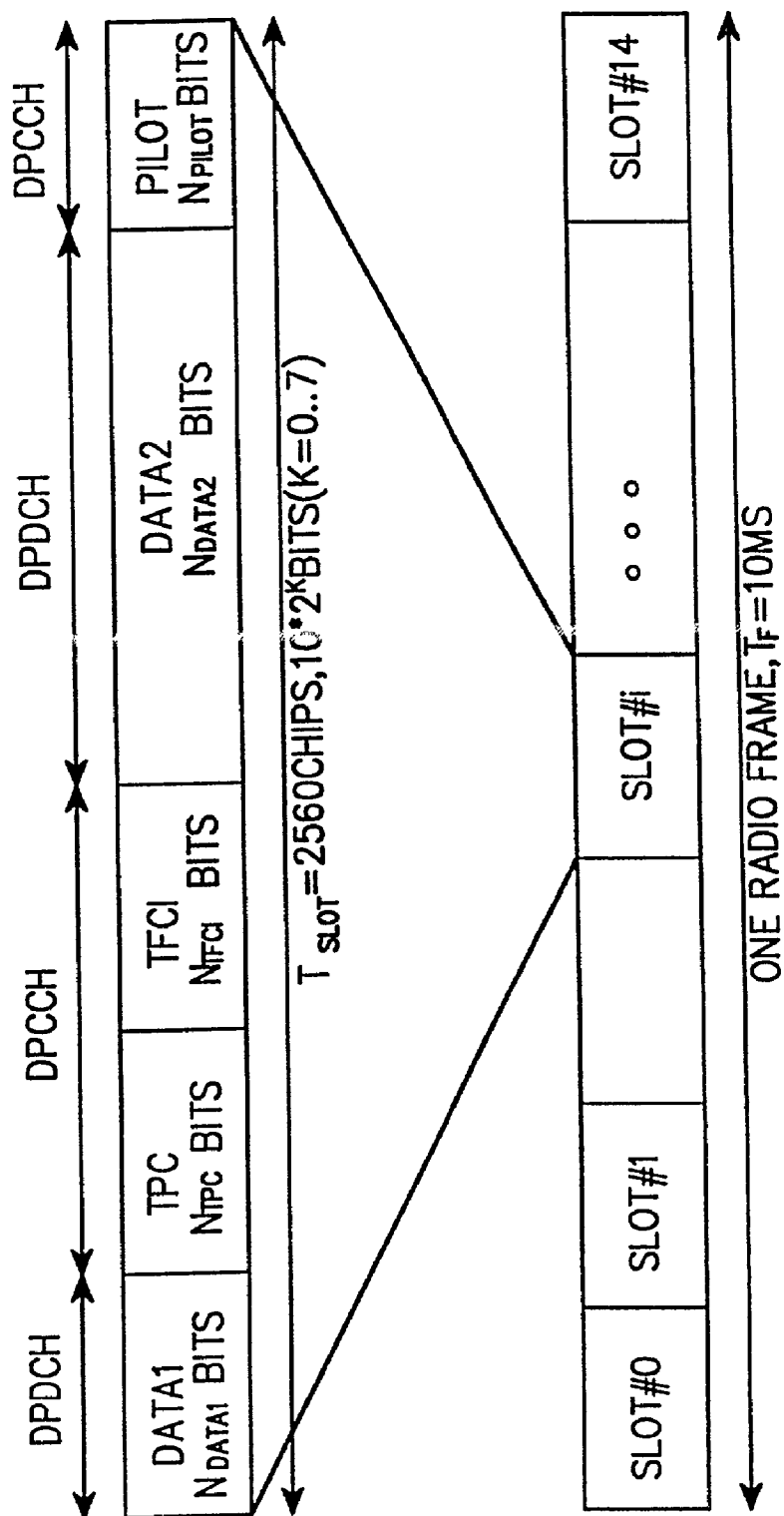


FIG. 1
(PRIOR ART)

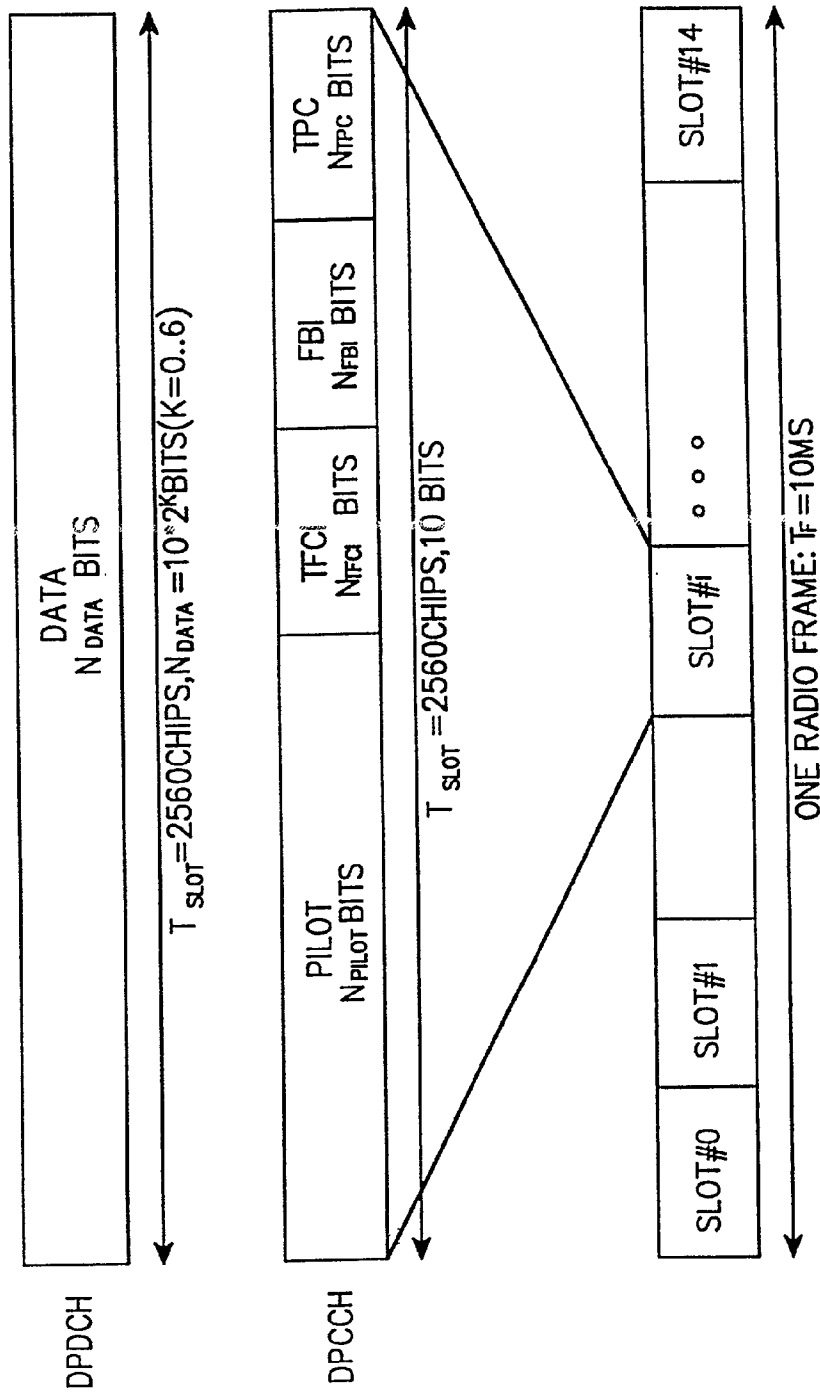


FIG. 2
(PRIOR ART)

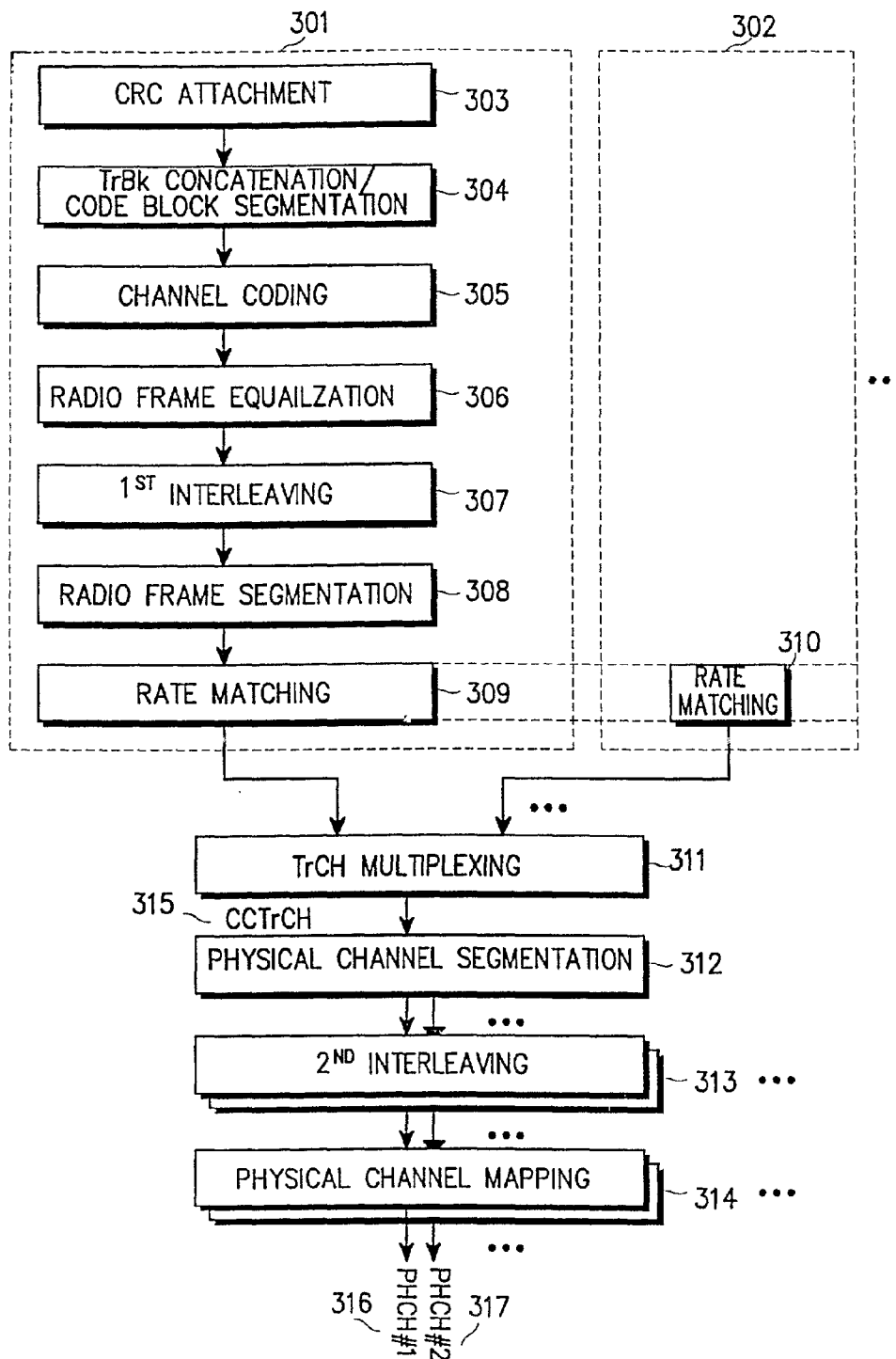


FIG. 3

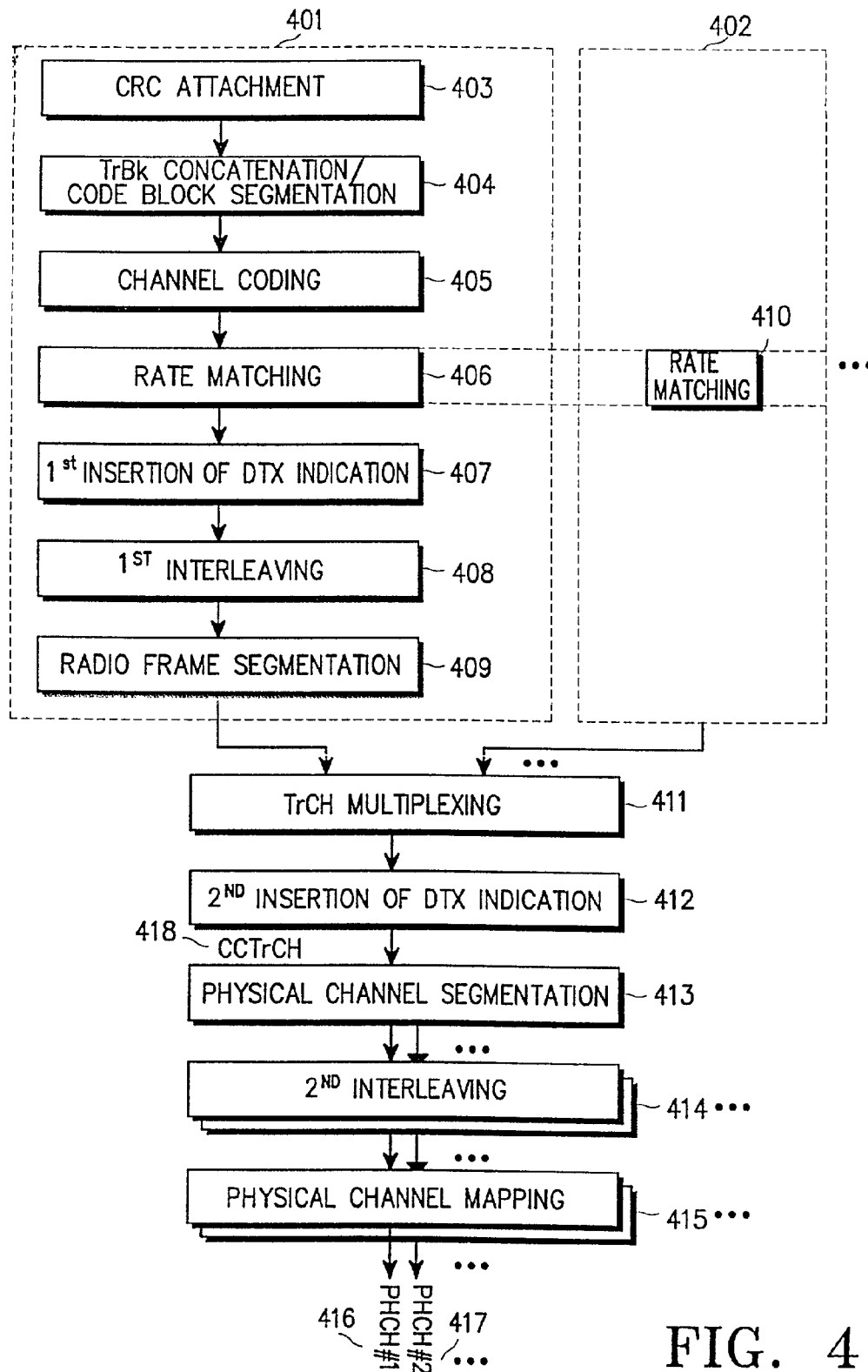


FIG. 4



Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.