

Title (en)

RETRANSMISSION METHOD AND APPARATUS FOR WIRELESS COMMUNICATIONS SYSTEMS

Title (de)

WIEDERHOLUNGSVERFAHREN UND WIEDERHOLUNGSEINRICHTUNG FÜR DRAHTLOSE KOMMUNIKATIONSSYSTEME

Title (fr)

APPAREIL ET PROCEDE DE RETRANSMISSION POUR SYSTEMES DE COMMUNICATIONS SANS FIL

Publication

**EP 1419604 A1 20040519 (EN)**

Application

**EP 02754029 A 20020813**

Priority

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- US 31182801 P 20010814

Abstract (en)

[origin: WO03017560A1] A wireless communications system method and apparatus transmits packet data at a first rate (R1) selected to provide an acceptable packet error rate (PER) for a given wireless channel. Upon receipt of a request for retransmission of a data packet, the method and apparatus switch to a second rate (R2), lower than the first rate, for retransmitting the data packet. The overall transmission rate becomes  $R1/(1+PER1R1/R2)$ , which is only slightly lower than that of the single rate retransmission  $R1/(1+PER1)$ , but the resulting  $PER=PER1PER2$  is much smaller than  $PER1<2>$  for the case of single rate retransmission.

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**H04L 1/00**; **H04L 1/18**

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CPC (source: EP)

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