Title (en)
METHOD AND APPARATUS FOR SYNCHRONIZING A SIMULCAST TRANSMISSION SYSTEM.

Title (de)
VERFAHREN UND EINRICHTUNG ZUR SYNCHRONISIERUNG EINES GLEICHWELLENFUNKSYSTEMS.

Title (fr)
PROCEDE ET DISPOSITIF DE SYNCHRONISATION D'UN SYSTEME DE TRANSMISSION A DIFFUSION SIMULTANEE.

Publication
EP 0642717 A1 19950315 (EN)

Application
EP 93911153 A 19930507

Priority
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Abstract (en)
[origin: WO9325012A1] A simulcast system has a terminal controller (226) capable of measuring propagation delays, and calculating propagation delay differences from the measured propagation delays (1702) for each of the plurality of base sites (1602, 1604, 1606, 1608). The terminal controller (226) also receives and transmits data to each of the plurality of base sites (1602, 1604, 1606, 1608). The terminal controller (226) transmits the propagation delay differences, and a start command to the plurality of base sites (1602, 1604, 1606, 1608) for initiating simulcast retransmission of the data. The plurality of base sites (1602, 1604, 1606, 1608) also receive the propagation delay differences, the propagation delay difference (1706) being determined for delaying the retransmission of data at each of the plurality of base sites (1602, 1604, 1606, 1608). The plurality of base sites (1602, 1604, 1606, 1608) receive data from the terminal controller (226) to be retransmitted. The plurality of base sites (1602, 1604, 1606, 1608) stores the received data and receive the start command. The retransmission of the stored data is delayed from the receipt of the start command (1720) by the propagation delay difference calculated for each base site to enable the retransmission of the data at substantially the same time by the plurality of base sites (1602, 1604, 1606, 1608).

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