

Title (en)
SECTORIZATION OF CELLULAR CDMA-SYSTEM

Title (de)
SEKTORISIERUNG EINES ZELLULAREN CDMA-SYSTEMS

Title (fr)
SECTORISATION D'UN SYSTEME AMRC CELLULAIRE

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Application
EP 98928709 A 19980526

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• SE 9800993 W 19980526
• SE 9702408 A 19970624

Abstract (en)
[origin: WO9859512A1] The present invention relates to sectorization of a cellular CDMA-system. Each sectorized cell (CELL) in the CDMA-system comprises a number of antenna sectors (AS1-AS8) having overlapping regions. Each cell is allocated a number of at least two different pilot channels (P1, P2). Two antenna sectors having a common overlapping region are not allowed to use the same pilot channel. At least one of said pilot channels (P1, P2) are reused within the cell, by at least two antenna sectors with no common overlapping region. The antenna sectors that use the same pilot signal are constituting a logical sector (LS1, LS2). A mobile station can communicate with the base station in a cell by using one or more antenna sectors within one or more logical sectors. If a mobile station communicates with the base station within a number of antenna sectors within the same logical sector, no softer handoff is required between the antenna sectors.

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