

Title (en)
ADAPTATION OF THE TIMING ADVANCE IN SYNCHRONOUS HANDOVER

Title (de)
ANPASSUNG DES TIMING ADVANCE BEIM SYNCHRONEN HANDOVER

Title (fr)
ADAPTATION D'AVANCE TEMPORELLE EN CAS DE TRANSFERT SYNCHRONE

Publication
EP 1310133 A1 20030514 (DE)

Application
EP 01964898 A 20010810

Priority
• DE 0103079 W 20010810
• DE 10039967 A 20000816

Abstract (en)
[origin: WO0215624A1] The aim of the invention is to adapt the timing advance of a mobile terminal (MS) during synchronous handover from a first (BS1) to a second base station (BS2) of a radio communications system. To this end a time delay (DELTA t, DELTA ta, DELTA td) between time standard (N1, 2, N2a, N2d) received by the terminal from the two base stations are measured. A timing advance value (TA1) that is used by the terminal (MS) prior to handover for transmission to the first base station (BS1) is corrected using the time delay measured. The corrected timing advance value is reduced by a value (2Gsync) derived from the accuracy (Gsync) of the synchronicity of the two base stations (BS1, BS2) and is used as the timing advance value (TA2) for transmission to the second base station (BS2).

IPC 1-7
H04Q 7/38

IPC 8 full level
H04J 3/06 (2006.01); **H04B 7/26** (2006.01); **H04W 36/08** (2009.01); **H04W 56/00** (2009.01)

CPC (source: EP US)
H04B 7/2671 (2013.01 - EP US); **H04W 56/0045** (2013.01 - EP US); **H04W 24/10** (2013.01 - EP US); **H04W 36/00** (2013.01 - EP)

Citation (search report)
See references of WO 0215624A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0215624 A1 20020221; CA 2419615 A1 20030214; CN 1470146 A 20040121; DE 10039967 A1 20020425; DE 10039967 B4 20041118; EP 1310133 A1 20030514; JP 2004506392 A 20040226; US 2004128095 A1 20040701

DOCDB simple family (application)
DE 0103079 W 20010810; CA 2419615 A 20010810; CN 01817307 A 20010810; DE 10039967 A 20000816; EP 01964898 A 20010810; JP 2002519362 A 20010810; US 34467503 A 20030214