

Title (en)  
AIR-TO-GROUND COMMUNICATIONS

Title (de)  
LUFT-BODEN-KOMMUNIKATION

Title (fr)  
COMMUNICATIONS AIR-SOL

Publication  
**EP 4324256 A1 20240221 (EN)**

Application  
**EP 21739921 A 20210416**

Priority  
CN 2021087679 W 20210416

Abstract (en)  
[origin: WO2022217570A1] Certain aspects of the present disclosure provide techniques for air-to-ground (ATG) communications. A method that may be performed by a user equipment (UE) includes determining one or more parameters indicative of movement of the UE relative to the BS. The method also includes updating a previous uplink timing advance to a new uplink timing advance, wherein the update is based on the one or more parameters, and the new uplink timing advance is a change of uplink transmission timing relative to the previous uplink timing advance. The method also includes transmitting an uplink signal over resources determined using the new uplink timing advance.

IPC 8 full level  
**H04W 56/00** (2009.01)

CPC (source: EP)  
**H04W 56/0015** (2013.01); **H04W 56/0045** (2013.01)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**WO 2022217570 A1 20221020**; CN 117136597 A 20231128; EP 4324256 A1 20240221

DOCDB simple family (application)  
**CN 2021087679 W 20210416**; CN 202180096875 A 20210416; EP 21739921 A 20210416