

(12) 按照专利合作条约所公布的国际申请

(19) 世界知识产权组织
国际局

(43) 国际公布日
2023 年 3 月 30 日 (30.03.2023)



(10) 国际公布号
WO 2023/044761 A1

(51) 国际专利分类号:
H04L 1/00 (2006.01)

海淀区学院路蓟门里和景园 A 座 1 单元
102 室, Beijing 100088 (CN)。

(21) 国际申请号: PCT/CN2021/120345

(81) 指定国(除另有指明, 要求每一种可提供的国家
保护): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG,
BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU,
CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB,
GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, IT,
JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK,
LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX,
MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL,
PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL,
ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US,
UZ, VC, VN, WS, ZA, ZM, ZW。

(22) 国际申请日: 2021 年 9 月 24 日 (24.09.2021)

(25) 申请语言: 中文

(26) 公布语言: 中文

(71) 申请人: 北京小米移动软件有限
公司(BEIJING XIAOMI MOBILE SOFTWARE CO.,
LTD.) [CN/CN]; 中国北京市海淀区西二旗中路33
号院6号楼8层018号, Beijing 100085 (CN)。

(72) 发明人: 李明菊(LI, Mingju); 中国北京市海
淀区西二旗中路33号院6号楼8层018
号, Beijing 100085 (CN)。

(74) 代理人: 北京三高永信知识产权代理有限责任公
司(BEIJING SAN GAO YONG XIN INTELLECTUAL
PROPERTY AGENCY CO., LTD.); 中国北京市

(84) 指定国(除另有指明, 要求每一种可提供的地区
保护): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ,
NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), 欧亚 (AM,
AZ, BY, KG, KZ, RU, TJ, TM), 欧洲 (AL, AT, BE, BG,
CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU,
IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT,

(54) Title: INFORMATION REPORTING METHOD AND APPARATUS, DEVICE, AND STORAGE MEDIUM

(54) 发明名称: 信息上报方法、装置、设备及存储介质

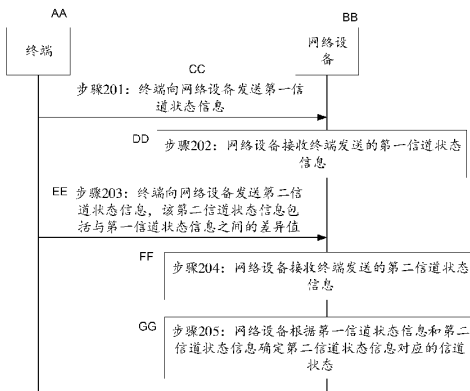


图 2

AA Terminal
BB Network device
CC Step 201: The terminal sends first channel state information to the network device
DD Step 202: The network device receives the first channel state information sent from the terminal
EE Step 203: The terminal sends second channel state information to the network device, the second channel state information comprising a difference value from the first channel state information
FF Step 204: The network device receives the second channel state information sent from the terminal
GG Step 205: The network device determines, according to the first channel state information and second channel state information, channel state corresponding to the second channel state information

(57) Abstract: An information reporting method and apparatus, a device, and a storage medium, relating to the field of mobile communications. The method comprises: sending first channel state information to a network device; and sending second channel state information to the network device, the second channel state information comprising a difference value from the first channel state information. The channel state corresponding to the second channel state information can also be determined by means of the difference value. While ensuring the normal transmission of channel state information, the resource amount of the second channel state information is reduced by means of the difference value, thereby reducing the signaling overhead of transmitting the second channel state information.

(57) 摘要: 一种信息上报方法、装置、设备及存储介质, 涉及移动通信领域。该方法包括: 向网络设备发送第一信道状态信息; 向所述网络设备发送第二信道状态信息, 所述第二信道状态信息包括与所述第一信道状态信息之间的差异值, 通过该差异值也可以确定第二信道状态信息对应的信道状态, 在保证信道状态信息正常传输的情况下, 通过差异值减小了第二信道状态信息的资源量, 进而减小传输第二信道状态信息的信令开销。

[见续页]

RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI,
CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG)。

本国际公布：

— 包括国际检索报告(条约第21条(3))。