Title (en)
APPARATUS AND METHOD FOR CONFIGURING INTELLIGENT REFLECTING SURFACE

Title (de)
VORRICHTUNG UND VERFAHREN ZUR KONFIGURATION EINER INTELLIGENTEN REFLEKTIERENDEN OBERFLÄCHE

Title (fr)
APPAREIL ET PROCÉDÉ DE CONFIGURATION DE SURFACE RÉFLÉCHISSANTE INTELLIGENTE

Publication
EP 4285497 A1 20231206 (EN)

Application
EP 21715842 A 20210325

Priority
EP 2021057686 W 20210325

Abstract (en)
[origin: WO2022199818A1] The present disclosure relates to techniques for configuring an intelligent reflecting surface. Particularly, the present disclosure relates to a user device (120, 801a), comprising: a processor (803a), configured to: determine at least one intelligent reflecting surface, IRS, configuration pair of beam and corresponding phase factor, wherein the IRS configuration pair indicates the beam to be formed at the IRS (130) which reflects a signal from a serving and/or from an interfering node, and the phase factor to be applied to the beam formed at the IRS (130); a communication interface (805a) configured to transmit interference cancellation information to the serving node (110a, 820), wherein the interference cancellation information comprises the at least one IRS configuration pair of beam and corresponding phase factor.

IPC 8 full level
H04B 7/026 (2017.01); **H04B 7/06** (2006.01); **H04B 7/145** (2006.01)

CPC (source: EP)
H04B 7/026 (2013.01); **H04B 7/04013** (2023.05); **H04B 7/0632** (2013.01); **H04B 7/0634** (2013.01); **H04B 7/0639** (2013.01); **H04B 7/15528** (2013.01)

Citation (search report)
See references of WO 2022199818A1

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 2022199818 A1 20220929; EP 4285497 A1 20231206

DOCDB simple family (application)
EP 2021057686 W 20210325; EP 21715842 A 20210325