

Title (en)  
SELF-SUPERVISED PASSIVE POSITIONING USING WIRELESS DATA

Title (de)  
SELBSTÜBERWACHTE PASSIVE POSITIONIERUNG UNTER VERWENDUNG VON DRAHTLOSEN DATEN

Title (fr)  
POSITIONNEMENT PASSIF AUTO-SUPERVISÉ À L'AIDE DE DONNÉES SANS FIL

Publication  
**EP 4348286 A1 20240410 (EN)**

Application  
**EP 22735689 A 20220524**

Priority  
• US 202117332892 A 20210527  
• US 2022030781 W 20220524

Abstract (en)  
[origin: CN117355763A] Systems, methods, and non-transitory media for performing passive radio frequency (RF) position detection operations are disclosed. In some aspects, RF data, such as an RF signal including channel state information (CSI), may be received from a wireless device. The RF data may be provided to a self-supervised machine learning architecture configured to perform three-dimensional (3D) object position estimation.

IPC 8 full level  
**G01S 5/02** (2010.01); **G01S 5/00** (2006.01)

CPC (source: EP KR)  
**G01S 5/013** (2020.05 - EP KR); **G01S 5/02528** (2020.05 - KR); **G01S 5/0278** (2013.01 - EP KR); **G06N 20/00** (2019.01 - KR); **H04W 4/029** (2018.02 - KR)

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Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

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BR 112023024220 A 20220524; CN 202280036462 A 20220524; EP 22735689 A 20220524; KR 20237039942 A 20220524