

Title (en)  
INJECTION SYSTEM HAVING SIMPLIFIED DATA TRANSMISSION

Title (de)  
INJEKTIONSSYSTEM MIT VEREINFACHTER DATENÜBERTRAGUNG

Title (fr)  
SYSTÈME D'INJECTION À TRANSMISSION DE DONNÉES SIMPLIFIÉE

Publication  
**EP 4381761 A1 20240612 (DE)**

Application  
**EP 22758201 A 20220728**

Priority

- EP 21189122 A 20210802
- CH 5702022 A 20220512
- EP 2022071223 W 20220728

Abstract (en)  
[origin: WO2023012030A1] The invention relates to an injection system in which data are transmitted from an administration device for medication to a mobile device via a wireless Bluetooth connection and, from there, to a server computer via a network connection. A novel method makes it possible for the administration data to be encrypted on the administration device and to be sent via the Bluetooth broadcast channel without pairing being carried out. The administration data are decrypted only on the server computer, and assigned to the administration device. This process can be supported by both the mobile device and the administration device observing the Bluetooth broadcast channel and estimating how far away the relevant sender of the transmitted data is from the mobile device or administration device.

IPC 8 full level  
**H04W 12/03** (2021.01); **A61M 5/178** (2006.01); **A61M 5/24** (2006.01); **H04B 5/00** (2024.01); **H04W 12/50** (2021.01); **H04W 84/18** (2009.01)

CPC (source: EP US)  
**A61M 5/5086** (2013.01 - US); **G16H 20/17** (2018.01 - US); **G16H 40/67** (2018.01 - US); **H04L 63/0442** (2013.01 - US); **H04W 12/03** (2021.01 - EP US); **H04W 12/50** (2021.01 - EP); **A61M 5/14244** (2013.01 - EP); **A61M 5/24** (2013.01 - EP); **A61M 2205/3327** (2013.01 - US); **A61M 2205/3553** (2013.01 - US); **A61M 2205/3584** (2013.01 - US); **A61M 2205/60** (2013.01 - US); **H04W 84/18** (2013.01 - EP)

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 2023012030 A1 20230209**; EP 4381761 A1 20240612; US 2024157062 A1 20240516

DOCDB simple family (application)  
**EP 2022071223 W 20220728**; EP 22758201 A 20220728; US 202418423786 A 20240126