

Title (en)  
CONNECTING APPARATUS

Title (de)  
VERBINDUNGSVORRICHTUNG

Title (fr)  
APPAREIL DE LIAISON

Publication  
**EP 4210533 A1 20230719 (DE)**

Application  
**EP 21827199 A 20211130**

Priority  
EP 2021083608 W 20211130

Abstract (en)  
[origin: WO2023098979A1] A connecting apparatus (1) comprises a first connecting part (2) which has a first main body (20) and at least one engagement protrusion (240, 241) arranged rigidly on the first main body (20), and a second connecting part (3) which is able to be attached to the first connecting part (2) in a closing direction (X) and has a second main body (30) with an engagement portion (341) arranged rigidly on the second main body (30). The first connecting part (2) has a first magnet device (21) and the second connecting part (3) has a second magnet device (31), wherein the first magnet device (21) and the second magnet device (31) cooperate by magnetically attracting one another along the closing direction (X) in order to support the attachment of the first connecting device (2) and of the second connecting device (3). The first connecting part (2) has a blocking portion (236, 238) which is designed to cooperate with the second connecting part (3) in the connected position in order to block the engagement of the engagement portion (341) with the at least one engagement protrusion (240, 241) counter to an engagement direction (Y). In the connected position, the second connecting part (3) is rotatable about the closing direction (X) with respect to the first connecting part (2), wherein, during rotation, the engagement of the engagement portion (341) with the at least one engagement protrusion (240, 241) and the blocking of the engagement by the blocking portion (236, 238) are maintained.

IPC 8 full level  
**A44B 11/25** (2006.01)

CPC (source: EP KR US)  
**A41F 9/00** (2013.01 - US); **A44B 1/08** (2013.01 - US); **A44B 11/2588** (2013.01 - EP KR); **A44D 2203/00** (2013.01 - EP KR US)

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 2023098979 A1 20230608**; CN 116829021 A 20230929; EP 4210533 A1 20230719; EP 4210533 B1 20240724; JP 2024502869 A 20240123; KR 20230084097 A 20230612; US 2024099429 A1 20240328

DOCDB simple family (application)  
**EP 2021083608 W 20211130**; CN 202180074648 A 20211130; EP 21827199 A 20211130; JP 2023542564 A 20211130; KR 20227043677 A 20211130; US 202118012559 A 20211130