

Title (en)  
QUICK-CHARGING UNIT

Title (de)  
SCHNELL-LADEEINHEIT

Title (fr)  
UNITÉ DE CHARGE RAPIDE

Publication  
**EP 4022736 A1 20220706 (DE)**

Application  
**EP 20761177 A 20200820**

Priority  
• CH 10712019 A 20190826  
• EP 2020073284 W 20200820

Abstract (en)  
[origin: CA3149736A1] A charging unit comprises a number of stationary capacitors for charging mobile capacitors which can be connected via a connection socket. The charging unit comprises switching mechanisms for connecting a first capacitor to the mobile capacitors and for connecting each additional capacitor step by step. The number and respective capacitances of the stationary capacitors are greater in comparison to the mobile capacitors. Between the individual steps, the stationary capacitors are separated from the mobile capacitors and the capacitors are connected in parallel such that the voltage states thereof can equalize.

IPC 8 full level  
**H02J 7/00** (2006.01); **H02J 7/34** (2006.01)

CPC (source: CH EP US)  
**H02J 7/0014** (2013.01 - EP US); **H02J 7/0019** (2013.01 - US); **H02J 7/0024** (2013.01 - EP US); **H02J 7/342** (2020.01 - EP US); **H02J 7/345** (2013.01 - CH EP US); **H02J 2207/50** (2020.01 - EP US); **Y02T 10/70** (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

DOCDB simple family (publication)  
**CH 716530 A2 20210226**; AU 2020335147 A1 20220414; CA 3149736 A1 20210304; CN 114930667 A 20220819; EP 4022736 A1 20220706; US 2022302743 A1 20220922; WO 2021037649 A1 20210304

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**CH 10712019 A 20190826**; AU 2020335147 A 20200820; CA 3149736 A 20200820; CN 202080074976 A 20200820; EP 2020073284 W 20200820; EP 20761177 A 20200820; US 202017639089 A 20200820