

Title (en)

ARRANGEMENT OF COMPONENTS FOR ELECTRICAL POWER TRANSMISSION

Title (de)

ANORDNUNG VON BAUTEILEN ZUR ÜBERTRAGUNG VON ELEKTRISCHEM STROM

Title (fr)

AGENCEMENT DES COMPOSANTS DESTINÉ À LA TRANSMISSION DU COURANT ÉLECTRIQUE

Publication

EP 3876356 B1 20240228 (DE)

Application

EP 21000044 A 20210211

Priority

DE 102020001379 A 20200303

Abstract (en)

[origin: CN113363769A] An arrangement (1) of components (10, 12) for transferring electric current from a current-feeding component to a current-discharging component, including a first component (10), which feeds current to the arrangement (1) or discharges current from the arrangement (1). The first component (10) includes a first metallic material (11) and, on at least one surface, has at least one spring lamella (3) composed of the first metallic material (11) and machined out of the first metallic material (11) at the surface. The lamella (3) is machined out of the first metallic material (11) at the surface of the first component (10) such that it is connected monolithically to the first component (10) in a connecting region (31) and, starting therefrom extends as far as a free end (32) and when deflected out of a rest position toward the surface of the first component (10), exerts a spring force directed away from the surface of the component (10). The arrangement further comprises a second component (20) in immediate contact with the lamella (3) of the first component (10).

IPC 8 full level

H01R 13/02 (2006.01); **H01R 13/03** (2006.01); **H01R 13/15** (2006.01)

CPC (source: CN EP KR US)

H01R 4/26 (2013.01 - US); **H01R 13/02** (2013.01 - EP); **H01R 13/03** (2013.01 - EP); **H01R 13/111** (2013.01 - KR); **H01R 13/187** (2013.01 - KR); **H01R 13/2457** (2013.01 - US); **H01R 13/629** (2013.01 - CN); **H01R 13/639** (2013.01 - CN); **H01R 24/00** (2013.01 - CN)

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

DOCDB simple family (publication)

EP 3876356 A1 20210908; **EP 3876356 B1 20240228**; CN 113363769 A 20210907; DE 102020001379 B3 20210819; JP 2021141056 A 20210916; KR 20210112239 A 20210914; US 11349245 B2 20220531; US 2021281002 A1 20210909

DOCDB simple family (application)

EP 21000044 A 20210211; CN 202110114437 A 20210125; DE 102020001379 A 20200303; JP 2021010876 A 20210127; KR 20210008152 A 20210120; US 202117179714 A 20210219