

Title (en)
SLIP RING UNIT

Title (de)
SCHLEIFRINGEINHEIT

Title (fr)
COLLECTEUR

Publication
EP 4123847 A1 20230125 (EN)

Application
EP 21186420 A 20210719

Priority
EP 21186420 A 20210719

Abstract (en)
A slip ring unit (1-1) comprising: a slip ring (5-1), and a brush (3-1), wherein one of the slip ring (5-1) and the brush (3-1) comprises a composite material comprising graphene and metal, wherein the graphene content is in a range 0.1-5 wt.% and the metal content is at least 90 wt.% of the total weight of the composite material.

IPC 8 full level
H01R 39/08 (2006.01); **H01R 39/22** (2006.01); **H01R 39/56** (2006.01)

CPC (source: EP)
H01R 39/085 (2013.01); **H01R 39/22** (2013.01); **H01R 39/56** (2013.01)

Citation (applicant)
CN 109524866 A 20190326 - DATONG XINCHENG NEW MATERIAL CO LTD

Citation (search report)
• [Y] EP 2838166 A1 20150218 - SCHLEIFRING UND APPBAU GMBH [DE]
• [Y] US 2020152399 A1 20200514 - ANDERSSON ANNA [SE], et al
• [I] CN 109004380 A 20181214 - UNIV SHANGHAI DIANJI
• [A] CN 103952588 A 20140730 - UNIV JIANGXI SCI & TECHNOLOGY

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

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