

Title (en)

SLIP RING AND CORRESPONDING TRANSMISSION METHOD

Title (de)

SCHLEIFRING UND ZUGEHÖRIGES ÜBERTRAGUNGSVERFAHREN

Title (fr)

BAGUE DE GLISSEMENT ET PROCÉDÉ DE TRANSMISSION CORRESPONDANT

Publication

EP 3096416 A1 20161123 (EN)

Application

EP 16170256 A 20160519

Priority

IT UB20150646 A 20150521

Abstract (en)

It is described a slip ring (10) comprising at least one movable portion (10A) and one fixed portion (10B), at least one interface surface (10C) being defined therebetween, the slip ring (10) further comprising contactless transmission elements (12A, 12B) for a signal transmission, which are associated with the movable portion and fixed portion (10A, 10B), respectively, as well as at least one contact transmission element (13, 14) arranged at the interface surface (10C) and used only for a power transmission. Conveniently, the contactless transmission elements (12A, 12B) comprise respective inductive coupling elements for a signal transmission by magnetic induction.

IPC 8 full level

H01R 39/18 (2006.01); **H01F 38/18** (2006.01); **H01R 39/08** (2006.01)

CPC (source: EP)

H01F 38/18 (2013.01); **H01R 39/08** (2013.01)

Citation (applicant)

US 6434293 B1 20020813 - IGETA KENICHIRO [JP], et al

Citation (search report)

- [XAI] DE 102013220205 A1 20150409 - SIEMENS AG [DE]
- [A] US 6434293 B1 20020813 - IGETA KENICHIRO [JP], et al
- [A] EP 2704267 A2 20140305 - CANON KK [JP]

Cited by

CN115084961A; CN108418313A; CN108599813A; CN112583126A

Designated contracting state (EPC)

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Designated extension state (EPC)

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