

Title (en)
ROTARY JOINT

Title (de)
DREHKUPPLUNG

Title (fr)
JOINT TOURNANT

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Application
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Abstract (en)
[origin: WO2020148287A1] The invention relates to a rotary joint which comprises two components mounted for rotation relative to one another about an axis of rotation, and each comprising electrically conductive material and jointly enclosing at least one intermediate gap, which is in the form of a capacitive gap for the purpose of transmitting electrical signals and/or energy. The two components are mounted by means of at least one plain bearing such that they are axially fixed longitudinally relative to the axis of rotation and can be rotated relative to one another about the axis of rotation. The plain bearing has at least one plain bearing gap, at least some regions of which correspond to the capacitive gap. The invention is characterized in that the surface of at least one of the two components has, at least in the region of the capacitive gap, the electrically conductive material with an electrically insulating layer in the form of a metal oxide layer.

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