

Title (en)

ROTARY COUPLING ARRANGEMENT WITH A SLIP-RING ASSEMBLY WITH A ROTOR ARRANGEMENT

Title (de)

DREHKUPPLUNGSANORDNUNG MIT EINER SCHLEIFRINGBAUGRUPPE MIT EINER ROTORANORDNUNG

Title (fr)

SYSTÈME DE COUPLAGE ROTATIF COMPRENANT UN ENSEMBLE DE BAGUES COLLECTRICES POURVU D'UN SYSTÈME ROTORIQUE

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Application

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Abstract (en)

[origin: WO2016091756A1] The present invention relates to a rotor arrangement (40) for a slip-ring assembly (36), with a shaft element (48) and at least one contact ring (76, 92, 94), wherein the shaft element (48) is at least partially designed as a hollow shaft with a hollow interior (70) and a casing wall (68), wherein the shaft element (48) has a middle portion (64), wherein each contact ring (76, 92, 94) is arranged in the middle portion (64) on the shaft element (48) and is electrically insulated in relation to the shaft element (48) by means of an insulating means (58), wherein the middle portion (64) has at least one recess (78, 80, 82, 84, 86, 88, 90) through the insulating means (58) and the casing wall (68) into the interior (70), wherein each contact ring (76, 92, 94) is connected to a cable element (72) which is guided through one of the one or more recesses (78, 80, 82, 84, 86, 88, 90) into the interior (70), and wherein the shaft element (48) has a first end portion (62) with an outer circumferential cross section (52) for the rotationally fixed coupling. Furthermore, a rotary coupling arrangement with such a rotor arrangement is proposed.

IPC 8 full level

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