

Title (en)
SWITCHING UNIT WITH AN INTERNAL DIAMETER AND AN EXTERNAL DIAMETER ABOUT A ROTATIONAL AXIS FOR A MAIN COUPLING

Title (de)
SCHALTEINHEIT MIT EINEM INNENDURCHMESSER UND EINEM AUßENDURCHMESSER UM EINE ROTATIONSACHSE FÜR EINE HAUPTKUPPLUNG

Title (fr)
UNITÉ DE COMMUTATION À DIAMÈTRE INTÉRIEUR ET DIAMÈTRE EXTÉRIEUR AUTOUR D'UN AXE DE ROTATION POUR EMBRAYAGE PRINCIPAL

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Abstract (en)
[origin: WO2015070855A1] The invention relates to a switching unit with an internal diameter and an external diameter about a rotational axis for a main coupling, having at least the following components: - a first rotational element with at least one ramp with at least one rolling element; and - a second rotational element, said first rotational element and said second rotational element being arranged at a distance from each other by the at least one rolling element so as to transmit a pressure force. The distance between the first rotational element and the second rotational element can be adjusted by moving the at least one rolling element onto the at least one ramp. In particular, the switching unit is characterized in that the at least one ramp is arranged in a spiral manner from the external diameter to the internal diameter. By means of the proposed switching unit, it is possible to individually adjust the ramp gradient over a wide range, and a low ramp gradient can be set at the same time.

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