

Title (en)
WINDING DEVICE FOR STRAND-LIKE MATERIAL TO BE WOUND

Title (de)
WICKELVORRICHTUNG FÜR STRANGFÖRMIGES WICKELGUT

Title (fr)
DISPOSITIF D'ENROULEMENT POUR MATÉRIAU À ENROULER EN FORME DE CORDE

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Application
EP 13811784 A 20131205

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Abstract (en)
[origin: WO2014094989A1] The invention relates to a winding device for winding strand-like material to be wound (8), for example wire, having a winding disc (1) onto which the strand-like material to be wound (8) is wound up, and a housing arranged adjacently to the winding disc (1). The winding disc (1) is prevented from moving, in particular rotating, by at least one magnetic holding device (2), wherein the magnetic holding device (2) has a first magnetic arrangement (5) connected to the housing for conjoint rotation and a second magnetic arrangement (6) connected to the winding disc (1) for conjoint rotation, each magnetic arrangement having a north pole N and a south pole S. Between the first magnetic arrangement (5) and the second magnetic arrangement (6) there is a gap (4), and the first magnetic arrangement (5) and the second magnetic arrangement (6) are magnetically coupled across the gap (4), wherein the strand-like material to be wound (8) is guided through the gap (4). In this case, the two magnetic arrangements (5, 6) are arranged such that the south pole S of the first magnetic arrangement (5) is located opposite the north pole N of the second magnetic arrangement (6) and the north pole N of the first magnetic arrangement (5) is located opposite the south pole S of the second magnetic arrangement (6), with the result that particularly high holding forces are achievable. Preferably, the first magnetic arrangement (5) and/or the second magnetic arrangement (6) are formed in a horseshoe-shaped manner.

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