

Title (en)
ANCHORING HEAD FOR AN ANCHORING ROD

Title (de)
VERANKERUNGSKOPF FÜR EINE VERANKERUNGSSTANGE

Title (fr)
TÊTE D'ANCRAGE POUR UNE BARRE D'ANCRAGE

Publication
EP 3396069 B1 20200422 (EN)

Application
EP 18169034 A 20180424

Priority
IT 201700046356 A 20170428

Abstract (en)
[origin: EP3396069A1] An anchoring head (1) for an anchoring rod (1, 10) for geotechnical use is described, the anchoring rod (1, 10) comprising a plurality of longitudinal reinforcing elements (10) and said head (1) comprising: - a first plate (20) having a middle axis (X1) orthogonal to the first plate (20) and first holes (201) configured to be crossed each by a respective longitudinal reinforcing element (10) of said longitudinal reinforcing elements (10); - a plurality of locking elements (30), each suitable for being coupled to a respective longitudinal reinforcing element (10) of said longitudinal reinforcing elements (10) and for engaging a respective part (402) of the anchoring head (1) to make said respective longitudinal reinforcing element (10) integral with the anchoring head (1) and transfer a load from said respective longitudinal reinforcing element (10) to the anchoring head (1); the anchoring head (1) being characterized in that it comprises: - a second plate (40) which is smaller than the first plate (20), the second plate (40) being arranged facing the first plate (20) and comprising a plurality of second holes (401) aligned with said first holes (201), said second holes (401) being provided to be crossed each by a respective longitudinal reinforcing element (10) of said longitudinal reinforcing elements (10); - a connection member (50) which crosses the first plate (20) and is connected to the second plate (40) so as to be integral in translation with the second plate (40) in the direction of said middle axis (X1); and - a stop element (60) operatively connected to the connection member (50); wherein said respective part (402) of the anchoring head (1) suitable for being engaged by a respective locking element (30) of said locking elements (30) is a part (402) of the second plate (40), wherein the anchoring head (1) is suitable for taking on a first configuration wherein the first and the second plate (20, 40) are spaced apart from each other by a first axial distance (D1); wherein said connection member (50) is suitable for being axially moved in a first direction (T1) so that the anchoring head (1) takes on a second configuration wherein the first and the second plate (20, 40) are spaced apart from each other by a second axial distance which is smaller than said first axial distance (D1); said stop element (60) being suitable for engaging the first plate (20) so as to prevent a translation of the connection member (50) and accordingly of the second plate (40) in a second direction (T2) opposite to said first direction (T1).

IPC 8 full level
E02D 5/80 (2006.01)

CPC (source: EP)
E02D 5/80 (2013.01)

Cited by
CN115492096A; KR102577895B1; JP2020183618A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3396069 A1 20181031; EP 3396069 B1 20200422; IT 201700046356 A1 20181028

DOCDB simple family (application)
EP 18169034 A 20180424; IT 201700046356 A 20170428