

Title (en)  
STRUCTURE FOR SUPPORTING TELECOMMUNICATIONS STATIONS

Title (de)  
STRUKTUR ZUR STÜTZUNG VON TELEKOMMUNIKATIONSSTATIONEN

Title (fr)  
STRUCTURE DE SUPPORT DES STATIONS DE TÉLÉCOMMUNICATIONS

Publication  
**EP 3916159 A1 20211201 (EN)**

Application  
**EP 21175951 A 20210526**

Priority  
IT 202000012442 A 20200526

Abstract (en)  
Structure (1) for supporting a telecommunications station (100), comprising a support base (2) that can be inserted inside an excavation made at the place where said station is installed, said base comprising a plurality of superimposed layers (3,4,5) in precast reinforced concrete, which are integrally and removably constrained to each other, said plurality of layers (3,4,5) defining one or more outer perimeter surfaces (7a, 7b, 7c, 7d) and an upper surface (8) to which said telecommunications station can be removably constrained, characterised in that said base (2) further comprises one or more side walls (6a, 6b, 6c, 6d) in precast reinforced concrete, which are removably constrained to each other and/or to said one or more outer perimeter surfaces (7a, 7b, 7c, 7d) of said plurality of layers (3,4,5) to prevent the vertical and/or horizontal relative creep between two or more layers of said plurality of layers and to provide a stiffness such as to counteract the strains borne by said telecommunications station. This base constitutes the foundation of a lattice, but the operating principle can also be applied to a telecommunications station with a pole for supporting the antennas.

IPC 8 full level  
**E02D 27/42** (2006.01); **E02D 27/01** (2006.01); **E04H 12/22** (2006.01)

CPC (source: EP)  
**E02D 27/42** (2013.01); **E04H 12/2238** (2013.01); **E04H 12/2261** (2013.01); **E02D 27/016** (2013.01)

Citation (search report)  
• [YA] IT PR990082 A1 20010502 - GUARESCHI S R L [IT]  
• [Y] CN 106836259 A 20170613 - GCI SCIENCE & TECH CO LTD  
• [Y] RU 193712 U1 20191111  
• [YA] KR 20200039381 A 20200416 - ISON CO LTD [KR]

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3916159 A1 20211201**; **EP 3916159 B1 20240131**; **EP 3916159 C0 20240131**; IT 202000012442 A1 20211126

DOCDB simple family (application)  
**EP 21175951 A 20210526**; IT 202000012442 A 20200526