

PatBase - Search results 26 June 2018

Search query (5): [SP]: verfahren und vorrichtung zum herstellen von hohen, hohlen, turmartigen bauwerken von zweihundert metern hoehe und mehr, insbesondere von tuermen fuer windkraftanlagen die erfindung betrifft ein verfahren und eine vorrichtung zum herstellen turmartiger gebaeude. bei dieser erfinderischen verfahrensweise wird eine doppelschalung, vorzugsweise aus einem metallischen werkstoff, verwendet, in die ein betonkern eingebracht wird. die doppelschalung besteht aus ringsegmenten, die weitestgehend fabrikatorisch vorgefertigt werden, unter anderem auch mit der bewehrung. diese ringsektoren werden zu schalungsrohrschuessen zusammengestellt, uebereinandergestuelpt und anschliessend mit beton ausgegossen. diese schalungsrohrschuesse werden in geeigneter weise, zum beispiel durch schrauben, miteinander verbunden. bei einer verfahrensweise werden diese schalungsrohrschuesse als sogenannte "verlorene schalung" eingesetzt, die nicht in die festigkeitsberechnung einbezogen werden. bei einer anderen erfinderischen verfahrensweise wird diese ringschalung mit in die berechnung einbezogen, wodurch sich erhebliche kosteneinsparungen erzielen lassen. bei einer dritten verfahrensweise erstreckt sich die ringschalung nur ueber eine gewisse hoehe des turmartigen gebaeudes, weil der turmkopf sich bis zu einer begrenzten hoehe wirtschaftlicher aus stahl als stahlmantel herstellen laesst. dadurch ist eine weitere einsparung moeglich. insgesamt lassen sich auf diese weise turmartige gebaeude, z. b. windkraftanlagen, kostenguenstiger und wesentlich schneller herstellen als dies nach ueblichen verfahrensweisen mit ueblichen vorrichtungen moeglich war.

Results: 50**Search history**

Search FT=(method and concrete and tower and hollow) (Results 2498)

1:

Search 1 and PD<20141030 (Results 2131)

2:

Search 2 and (formwork or mould) (Results 308)

3:

Search 3 and reinforcement (Results 173)

4:

Search [SP]: verfahren und vorrichtung zum herstellen von hohen, hohlen, turmartigen bauwerken von zweihundert metern hoehe und mehr, insbesondere von tuermen fuer windkraftanlagen die erfindung betrifft ein verfahren und eine vorrichtung zum herstellen turmartiger gebaeude. bei dieser erfinderischen verfahrensweise wird eine doppelschalung, vorzugsweise aus einem metallischen werkstoff, verwendet, in die ein betonkern eingebracht wird. die doppelschalung besteht aus ringsegmenten, die weitestgehend fabrikatorisch vorgefertigt werden, unter anderem auch mit der bewehrung. diese ringsektoren werden zu schalungsrohrschuessen zusammengestellt, uebereinandergestuelpt und anschliessend mit beton ausgegossen. diese schalungsrohrschuesse werden in geeigneter weise, zum beispiel durch schrauben, miteinander verbunden. bei einer verfahrensweise werden diese schalungsrohrschuesse als sogenannte "verlorene schalung" eingesetzt, die nicht in die festigkeitsberechnung einbezogen werden. bei einer anderen erfinderischen verfahrensweise wird diese ringschalung mit in die berechnung einbezogen, wodurch sich erhebliche kosteneinsparungen erzielen lassen. bei einer dritten verfahrensweise erstreckt sich die ringschalung nur ueber eine gewisse hoehe des turmartigen gebaeudes, weil der turmkopf sich bis zu einer begrenzten hoehe wirtschaftlicher aus stahl als stahlmantel herstellen laesst. dadurch ist eine weitere einsparung moeglich. insgesamt lassen sich auf diese weise turmartige gebaeude, z. b. windkraftanlagen, kostenguenstiger und wesentlich schneller herstellen als dies nach ueblichen verfahrensweisen mit ueblichen vorrichtungen moeglich war. (Results 50)

Title: PROCESS AND DEVICE FOR THE CONSTRUCTION OF TALL, HOLLOW, TOWERLIKE STRUCTURES OF TWO HUNDRED METERS HEIGHT AND MORE, SPECIALLY WIND GENERATOR TOWERS

Abstract: Coaxial shells (10,11) act as the inner and outer walls of formers for the concrete ring parts and include reinforcements (55,56,57,58), spacers and connectors. Individual shell parts are assembled into an annular shell on site and the shells placed one inside the other. Coaxial shells (10,11) act as the inner and outer walls of formers for the concrete ring parts and include reinforcements (55,56,57,58), spacers and connectors. Individual shell parts are assembled into an annular shell on site and the shells placed one inside the other. Concrete is poured into the cavity (13) between the shells, a further double shell is constructed on top and connections made with the previous shell. Concrete casting and shell building are then repeated to build the tower. An Independent claim is made for the tower construction equipment including inner (11) and outer (10) shell sections each comprising a number of sectors (14,15). Preferred Features: Tension members are introduced between inner and outer shells around their circumference after a given concrete setting time and permanently tensioned against the ground. Inner and outer shell ring sections are positively connected to each other at specific points. Annular (57,58) and longitudinal reinforcements (55,56) of one shell section are connected to those of the next section by wires or clamps. Spacers maintain a constant distance between shells. Flanges enable individual shell sectors of both outer and inner shells to be coaxially aligned. Adjoining edges of shell ring sectors have inward facing projections, shoulders, supports or profiles enabling them to be positively connected by 3 meter long clasps. Each sector of the inner shell has parallel or spiral reinforcements on the outer side. Inner and outer shells may remain with the structure or be removed.

Classifications:

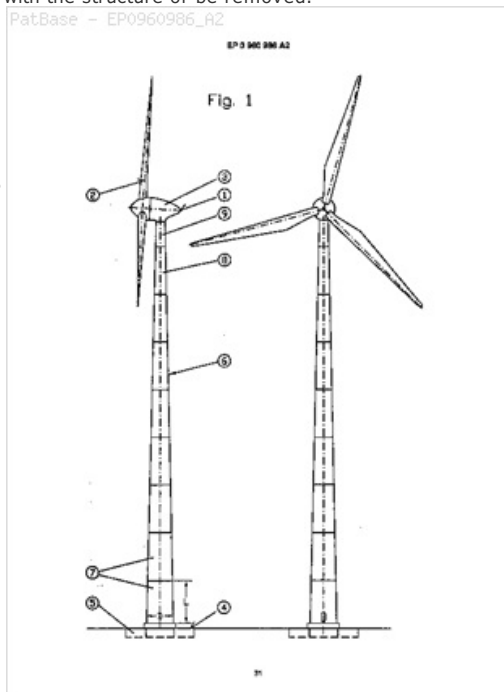
International (IPC 8-9): E04B1/34 E04H12/12 E04H12/28 F03D11/04 F03D13/20 (Advanced/Invention);

E04B1/34 E04H12/00 F03D11/00 (Core/Invention)

International (IPC 1-7): E04B1/34 E04B1/35 E04H12/12 E04H12/16 E04H12/34 F03D11/00

CPC: E04B1/34 E04H12/12 E04H12/28 F05B2240/912 Y02B10/30 Y02E10/728 F03D13/22 E04H12/16 F03D13/20

European: E04B1/34 E04H12/12 E04H12/28 F03D11/04 F03D11/04B R05B240/912 Y02B10/30 Y02E10/72N



Family:

Publication number	Publication date	Application number	Application date
DE19823650 A1	19991209	DE19981023650	19980527
DE19823650 C2	20010523	DE19981023650	19980527
EP0960986 A2	19991201	EP19990110070	19990522
EP0960986 A3	20001129	EP19990110070	19990522

Priority:

DE19981023650 19980527

Probable Assignee: ARAND WILFRIED

Assignee(s): (std): ARAND WILFRIED

Inventor(s): (std): ARAND WILFRIED

Designated states: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

Title: TALL REINFORCED CHIMNEY SHELL AND LINING ARRANGEMENT - HAS PREFABRICATED RINGS, WITH LENGTHWAYS REINFORCEMENT IN RADIAL LINING INTERVALS

Abstract: The industrial-type chimney has external shell, internal lining, and reinforcement extending partly along the chimney length, and partly as a closed annular reinforcement extending in a plane radial to the chimney's longitudinal axis. The shell (14) and lining are assembled from prefabricated annular elements (16, 18) set one on top of another, with a radial spacing provided for the lining elements (18). The lengthways reinforcement (22) is fitted in an intervening space (20), formed by this spacing and filled with site cast concrete.

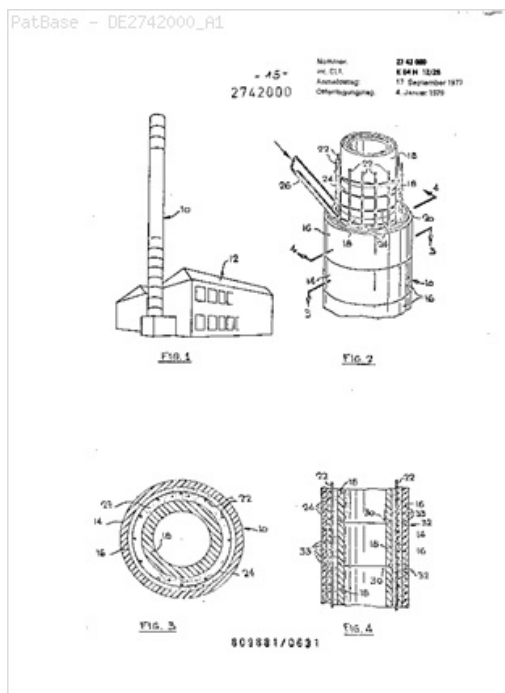
Classifications:

International (IPC 8-9): E04H1/00 E04H12/28 (Advanced/Invention);
E04H12/00 (Core/Invention)

International (IPC 1-7): E04H1/00 E04H12/28 E04H12/34

CPC: E04H12/28

European: E04H12/28



Family:

Publication number	Publication date	Application number	Application date
AU197836921 A1	19791213	AU19780036921	19780608
AU513858 B2	19810108	AU19780036921	19780608
CA1069719 A1	19800115	CA19770280733	19770616
DE2742000 A1	19790104	DE19772742000	19770917
DE2742000 B2	19800612	DE19772742000	19770917
DE2742000 C3	19810219	DE19772742000	19770917
ZA7803277 A	19790627	ZA19780003277	19780607

Priority:

CA19770280733 19770616

Probable Assignee: JACKSON KR

Assignee(s): (std): JACKSON K ; JACKSON K R ; JACKSON KENNETH R ; JACKSON KENNETH ROY

Assignee(s): JACKSON KENNETH ROY AYLESFORD KENT VER KOENIGREIC ; JACKSON KENNETH ROY AYLESFORD KENT VER KOENIGREICH ; JACKSON KR

Inventor(s): (std): JACKSON K ; JACKSON K R ; JACKSON KENNETH R ; JACKSON KENNETH ROY

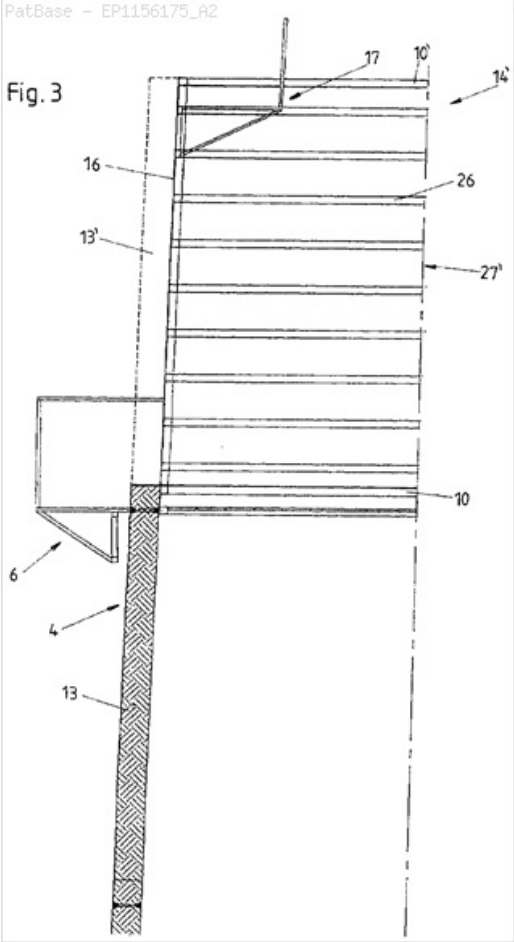
Inventor(s): JACKSON KENNETH ROY AYLESFORD KENT VER KOENIGREIC ; JACKSON KENNETH ROY AYLESFORD KENT VER KOENIGREICH ; K R JACKSON ; KENNETH ROY JACKSON ; ROY JACKSON KENNETH

Agent(s): PO; PHILLIPS ORMONDE FITZPATRICK

Title: METHOD FOR ERECTING SEVERAL SIMILAR CONSTRUCTIONS HAVING A FRUSTOCONICAL SHAPE

Abstract: The method involves erecting each structure in several concrete sections (13,13'). An inner framework (6) is used, which has several framework sections (14') connected together, whose height corresponds to the height of a concrete section, and whose outer surface corresponds to the shape of the inner surface of the wall (4) to be cast. The framework has an upper, removable part (10,10'). A prefabricated inner framework section for the next concrete section to be cast is set on top of the upper part of an inner framework section for the last concrete section to be cast. A reinforcement is fitted on the outside of the framework section or is fitted in an additional working step on the top of the last concrete section to be cast. An outer framework is fitted. Concrete is poured into the framework and allowed to set, with the upper part of the inner framework section fixed to the inner framework at the concrete wall. The upper part of the inner framework section of the previous concrete section to be cast is removed and is connected to the main part of the frame work section of the next concrete section to be cast. An Independent claim is included for a framework section for implementing the method.

Classifications:
International (IPC 8-9): E04G11/06 E04G11/28 E04H12/12 F03D1/00 (Advanced/Invention); E04G11/00 E04H12/00 F03D1/00 (Core/Invention)
International (IPC 1-7): E04G11/28 E04H12/12
CPC: Y02P70/523 E04G11/065 F05B2230/60 F05B2230/61 Y02B10/30 Y02E10/728 E04H12/12 E04H12/16 E04H12/341 F03D13/22 F03D13/10 E04G11/28
European: E04G11/06B2 E04G11/28 F03D1/00B F03D11/04B R05B230/60 R05B230/610 Y02B10/30 Y02E10/72N



Family:

Publication number	Publication date	Application number	Application date
AT279617 E	20041015	AT20010109556T	20010418
DE50104073 D1	20041118	DE20015004073	20010418
EP1156175 A2	20011121	EP20010109556	20010418
EP1156175 A3	20020612	EP20010109556	20010418
EP1156175 B1	20041013	EP20010109556	20010418
ES2231335 T3	20050516	ES20010109556T	20010418

Priority:

AT20000000837 20000515 AT20000000837 20000515 AT20000000837 20000515
EP20010109556 20010418

Probable Assignee: RUND STAHL BAU GMBH AND CO
Assignee(s): (std): RUND STAHL BAU GMBH AND CO
Assignee(s): RUND STAHL BAU GES MBH ; RUND STAHL BAU GESELLSCHAFT M B H
Inventor(s): (std): MATHIS DIPL ING ; MATHIS HUGO DIPL ING
Designated states: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

Title: TOWER MADE OF PRESTRESSED CONCRETE PREFABRICATED ASSEMBLY UNITS

Abstract: The invention concerns a method of erecting a pylon of prestressed concrete finished parts and an apparatus for advantageously carrying out the method. In order to at least reduce the problems present in the state of the art when erecting a pylon, there is provided a funnel-shaped apparatus 8 for guiding a tensioning wire, the smaller cross-section 11 thereof being substantially the same as that of the jacket tube 7. There is further provided a seal 20 for producing a pressure-tight transition between two mutually superposed segments 4, 6, wherein the height of the seal 20 substantially corresponds to the intended spacing of the segments. Also provided is a prestressed concrete finished part 4, 6 in which the apparatus 8 according to the invention is integrated. Finally there is provided a method in which epoxy resin is used as a composite joining material 34 between two segments.

Classifications:

International (IPC 8-9): E04B1/68 E04C2/38 E04C3/22 E04C3/26 E04C3/30 E04C3/34 E04C5/08 E04C5/10 E04C5/12 E04F15/14 E04G21/12 E04H12/00 E04H12/12 E04H12/16 F03D1/00 F03D11/04 (Advanced/Invention);

E04H12/16 (Advanced/Non-invention)

International (IPC 1-7): E04C5/08 E04C5/10 E04G21/12 E04H12/00 E04H12/12 E04H12/16 F03D11/04

CPC: E04C3/22 E04C3/26 E04C3/34 E04C5/08 E04C5/10 E04C5/12 F05B2230/60 F05B2230/601 F05B2230/61 F05B2240/40 F05B2240/912 F05B2250/70 F05C2211/00 Y02E10/728 Y02P70/523 E04H12/16 F03D13/10 F03D13/20

European: E04C3/22 E04C3/26 E04C3/34 E04C5/08 E04C5/10 E04C5/12 E04H12/16 F03D1/00B F03D11/04 R05B230/60 R05B230/601 R05B230/610 R05B240/40 R05B240/912 R05B250/70 R05C211/00 Y02E10/72 Y02E10/72N

US: 52/146 52/170 52/223.1 52/223.100P 52/223.5 52/223.7 52/223.700S 52/318 52/318P 52/396.04 52/40 52/58 52/720.1 52/726.1 52/737.2 52/847 52/847P 52/848

PatBase - US2004074171_AA

Patent Application Publication Apr. 22, 2004 Sheet 1 of 6 US 2004/0074171 A1

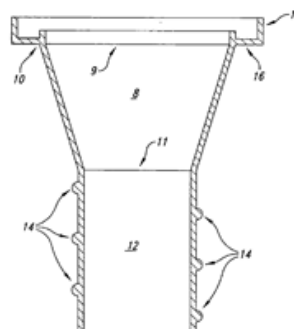


FIG. 1

Family:

Publication number	Publication date	Application number	Application date
AT541103 E	20120115	AT20010969376T	20010712
AU2001289649 AA	20020121	AU20010289649	20010712
AU2001289649 BB	20050310	AU20010289649	20010712
AU2001289649 BI	20050407	AU20010289649	20010712
AU200189649 A1	20020121	AU20010089649	20010712
AU200189649 A5	20020121	AU20010089649	20010712
BRPI0112422 A	20030708	BR2001PI12422	20010712
BRPI0112422 B1	20100908	BR2001PI12422	20010712
CA2418796 AA	20020117	CA20012418796	20010712
CA2418796 C	20060530	CA20012418796	20010712
CN1228529 C	20051123	CN20018014154	20010712
CN1447873 A	20031008	CN20018014154	20010712
CY1112470 T1	20151209	CY20121100238T	20120308
CY1116961 T1	20170405	CY20151101049T	20151120
DE10033845 A1	20020124	DE20001033845	20000712
DE20122941 U1	20110224	DE20012022941U	20010712
DE50116036 D1	20120308	DE20015016036	20010712
DK1303676 T3	20120402	DK20010969376T	20010712
DK2302146 T3	20151214	DK20010182260T	20010712
DK2302146 T3	20151214	DK20100182260T	20010712
EP1303676 A2	20030423	EP20010969376	20010712
EP1303676 B1	20120111	EP20010969376	20010712
EP2302146 A2	20110330	EP20100182260	20010712
EP2302146 A3	20140702	EP20100182260	20010712
EP2302146 B1	20150909	EP20100182260	20010712
ES2378058 T3	20120404	ES20010969376T	20010712
ES2550082 T3	20151104	ES20100182260T	20010712
IN00048CN2003 A	20050408	IN2003CN00048	20030108
IN201550 B	20070223	IN2003CN00048	20030108
JP2004502888 T2	20040129	JP20020509612T	20010712
JP3990274 B2	20071010	JP20020509612T	20010712
KR100514492 B1	20050914	KR20037000438	20010712
KR20030066583 A	20030809	KR20037000438	20010712
MXPA03000229 A1	20041101	MX2003PA00229	20010712
NO20030123 A	20030311	NO20030000123	20030110
NO20030123 A0	20030110	NO20030000123	20030110
NO20030123 L	20030311	NO20030000123	20030110
NO341353 B1	20171023	NO20030000123	20030110
NZ523605 A	20051125	NZ20010523605	20010712
PT1303676 T	20120305	PT20010969376T	20010712

PT2302146 T	20151102	PT20010182260T	20010712
TR201515769 T4	20151221	TR20150015769T	20010712
US2004074171 AA	20040422	US20030332690	20030930
US2006254168 AA	20061116	US20060473863	20060622
US2006254196 AA	20061116	US20060473507	20060622
US7114295 BB	20061003	US20030332690	20030930
US7752825 BB	20100713	US20060473863	20060622
WO0204766 A2	20020117	WO2001EP08074	20010712
WO0204766 A3	20020328	WO2001EP08074	20010712
ZA200300318 A	20030709	ZA20030000318	20030113

Priority:

DE20001033845 20000712 DE20012022941U 20010712 EP20010969376 20010712
EP20100182260 20010712 WO2001EP08074 20010712 US20030332690 20030930
US20060473507 20060622 US20060473863 20060622

Probable Assignee: WOBLEN ALOYS DIPL ING

Assignee(s): (std): ALOYS WOBLEN ; WOBLEN ALOYS ; WOBLEN PROPERTIES GMBH

Assignee(s): WOBLEN ALOYS DIPL ING

Inventor(s): (std): WOBLEN ALOYS ; ALOYS WOBLEN

Inventor(s): GOKEN KLAUS G

Agent(s): PIZZEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; OYEN WIGGS GREEN AND MUTALA LLP; EISENFUEHR SPEISER PATENTANWALTE RECHTSANWALTE PARTGMBB; EISENFUEHR SPEISER AND PARTNER; EISENFUEHR SPEISER; CARPINTERO MARIO; CENK SEVINC; SEED INTELLECTUAL PROPERTY LAW GROUP PLLC; SEED IP LAW GROUP PLLC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Title: CONSTRUCTION MODULE FOR PRODUCING BRIDGES, BUILDINGS AND TOWERS, FOR EXAMPLE FOR WIND POWER PLANTS

Abstract: The invention relates to a construction module for producing bridges, buildings and towers, for example for wind power plants. Certain carrier shells are used in said construction module in conjunction with a polymer concrete layer. In addition to having a high load capacity, said carrier shells enable bridges, for example, and also towers for wind power plants to be produced quickly.

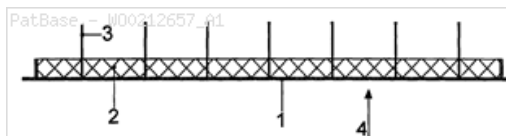
Classifications:

International (IPC 8-9): E04B2/86 E04H12/12 E04H12/28
F03D13/20 (Advanced/Invention);
E04B2/86 E04H12/00 F03D11/00 (Core/Invention)

International (IPC 1-7): E01D19/12 E04B1/20 E04B1/24 E04B1/30
E04B1/348 E04B2/86 E04B5/40 E04G11/00 E04H12/12 E04H12/28

CPC: F03D13/20 E04H12/28 E04B2/8605 E04H12/085 E04H12/12
F05B2240/912 Y02B10/30 Y02E10/728

European: E04B2/86D E04H12/08F E04H12/12 E04H12/28 F03D11/04 R05B240/912 Y02B10/30 Y02E10/72N



Family:

Publication number	Publication date	Application number	Application date
AU2001282082 AA	20020218	AU20010282082	20010810
AU200182082 A1	20020218	AU20010082082	20010810
AU200182082 A5	20020218	AU20010082082	20010810
DE20013774 U1	20001123	DE20002013774U	20000810
WO0212657 A1	20020214	WO2001EP09240	20010810

Priority:

DE20002013774U 20000810 WO2001EP09240 20010810

Probable Assignee: ARAND WILFRIED

Assignee(s): (std): ARAND WILFRIED

Assignee(s): WILFRIED ARAND

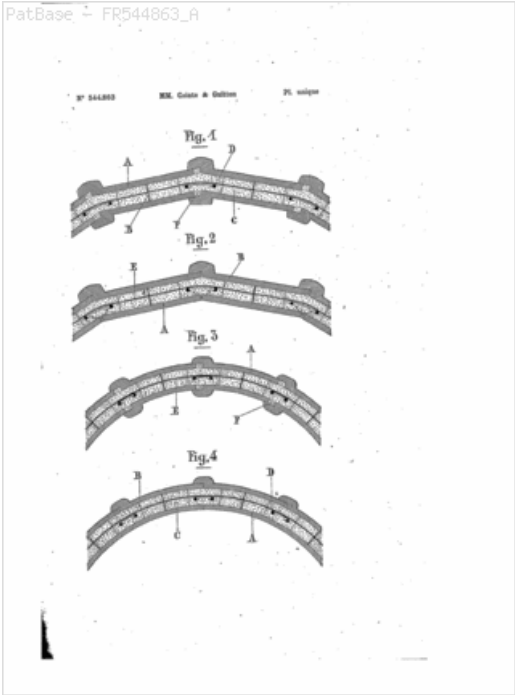
Inventor(s): (std): ARAND WILFRIED

Inventor(s): WILFRIED ARAND

Designated states: AT AU BA BE BG BR CA CH CN CY CZ DE DK ES FI FR GB GR HR HU IE IN IT JP LT LU LV MC NL NZ PL
PT RO RU SE SI SK TR US YU ZA

Title: Systeme de dalles a nervures, assemblees parallelement et supprimant tout coffrage dans les constructions en beton arme a parois polygonales ou circulaires

Classifications:
International (IPC 8-9): E04H12/28 (Advanced/Invention);
E04H12/00 (Core/Invention)
International (IPC 1-7): E04B2/86 E04H12/28
CPC: E04H12/28
European: E04H12/28



Family:

Publication number	Publication date	Application number	Application date
FR544863 A	19221002		19210921

Priority:
19210921

Inventor(s): (std): COINTE HENRI CHARLES JOSEPH ; GUITTON VALENTIN LEON MAURIC

Title: PROCESS TO MANUFACTURE A TOWER-LIKE BUILDING

Abstract: A concrete tower section (13, 13) is cast in situ on top of an existing tower level and then pre-fabricated tower sections (52) already provided with concrete are lifted into place on after the other to form subsequent tower levels.

Classifications:

International (IPC 8-9): E04G11/28 E04H12/12 F03D11/04

F03D13/20 (Advanced/Invention);

E04G11/00 E04H12/00 F03D11/00 (Core/Invention)

International (IPC 1-7): E04G11/28 E04H12/12

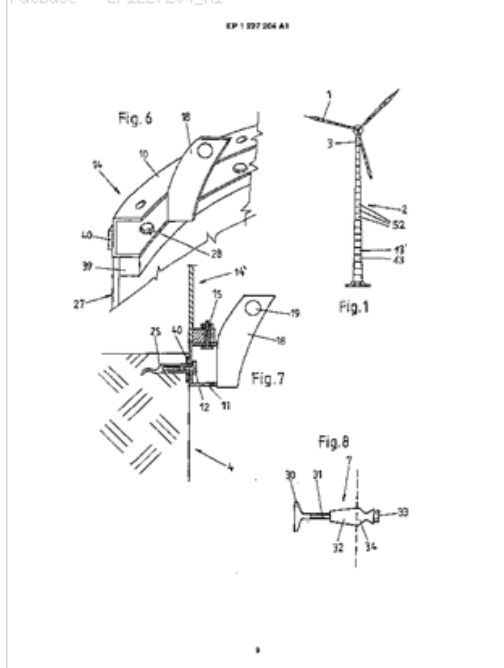
CPC: Y02P70/523 E04G11/28 E04H12/12 F05B2240/912 Y02B10/30

Y02E10/728 E04H12/16 F05B2230/604 F03D13/20

European: E04G11/28 E04H12/12 F03D11/04 R05B240/912

Y02B10/30 Y02E10/72N

PatBase - EP1227204_A1



Family:

Publication number	Publication date	Application number	Application date
AT1142001 A	20020815	AT20010000114	20010124
AT410343 B	20030325	AT20010000114	20010124
DE50213337 D1	20090423	DE20025013337	20020105
DK1227204 T3	20090615	DK20020000377T	20020105
EP1227204 A1	20020731	EP20020000377	20020105
EP1227204 B1	20090311	EP20020000377	20020105
ES2323041 T3	20090706	ES20020000377T	20020105

Priority:

AT20010000114 20010124

Probable Assignee: RUND STAHL BAU GMBH AND CO

Assignee(s): (std): RUND STAHL BAU GMBH AND CO

Assignee(s): RUND STAHL BAU GES MBH ; RUND STAHL BAU GESELLSCHAFT M B H

Inventor(s): (std): MATHIS HUGO DIPL ING

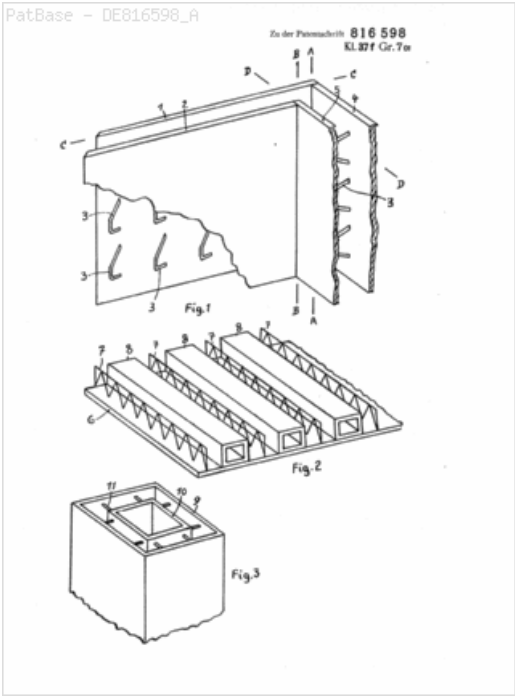
Inventor(s): MATHIS HUGO DIPLING

Agent(s): HOFMANN RALF U ET AL

Designated states: DE DK ES GB

Title: MONTAGEBAUWEISE FUEER BETONHAEUSER ASSEMBLY FOR CONSTRUCTION BETONHAEUSER (Machine translation)

Classifications:
International (IPC 8-9): E04B2/86 E04B5/38 (Advanced/Invention); E04B2/86 E04B5/32 (Core/Invention)
International (IPC 1-7): E04B1/02 E04B1/16 E04B2/86 E04B5/38 E04C2/00 E04C5/06 E04F17/02
CPC: E04B2/8617 E04B5/38 E04B2002/867
European: E04B2/86E1 E04B5/38 P04B2/86P



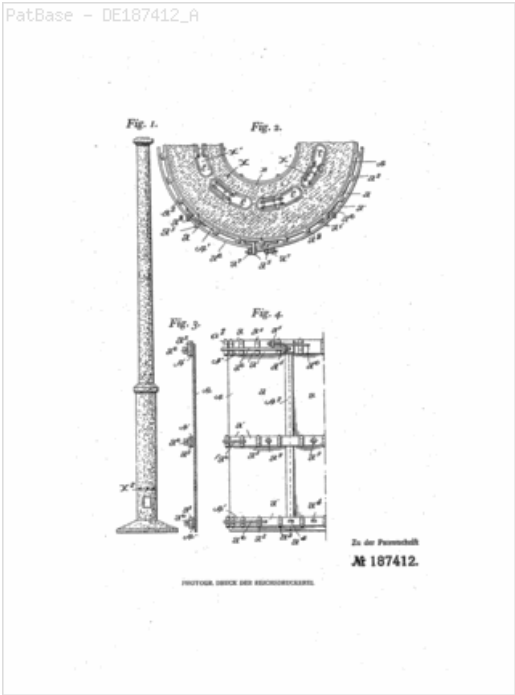
Family:

Publication number	Publication date	Application number	Application date
DE816598 A	19511011	DE1950B005706	19500627

Priority:
DE1950B005706 19500627

Probable Assignee: BODE PAUL
Assignee(s): (std): BODE PAUL
Inventor(s): (std): BODE PAUL

Classifications:
International (IPC 8-9): E04G11/06 (Advanced/Invention);
E04G11/00 (Core/Invention)
International (IPC 1-7): E04G11/06 E04H12/28
CPC: E04G11/065
European: E04G11/06B2



Family:

Publication number	Publication date	Application number	Application date
DE187412 A	00000000		00000000

Title: METHOD OF CONSTRUCTION OF A WIND TURBINE TOWER

Abstract: The tower is constructed from pre-fabricated constructional modules (10,20), which are positioned on top of each other, aligned, and connected. At least one module has a preferably. peripheral flange (12) on the top edge, which projects into the tower interior. The module above this one has similar flange (22) on its lower edge, and after alignment, the intermediate hollow chamber is filled at least partially by vacuum injection, with a cast compound, with passages (14) left for e.g. connecting screw bolts. The modules are preferably. truncated cone-shaped or shaped like cylinder jacket segments.

Classifications:

International (IPC 8-9): E04H12/08 E04H12/34 F03D11/00
F03D11/04 F03D13/20 F03D80/00 (Advanced/Invention);
E04H12/00 F03D11/00 (Core/Invention)

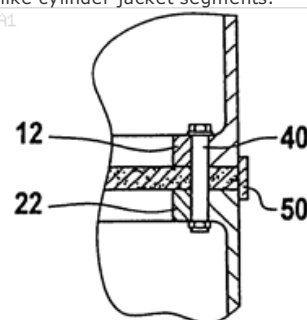
International (IPC 1-7): E04H12/00 E04H12/34 F03D11/00
F03D11/04

CPC: Y02P70/523 E04H12/085 E04H12/34 F05B2230/604
F05B2240/912 F05B2240/913 Y02E10/728 F03D80/00 F03D13/20

European: E04H12/08F E04H12/34 F03D11/00 F03D11/04
R05B230/604 R05B240/912 R05B240/913 Y02E10/72N

PatBase - EP1318300_A1

Fig. 1c



Family:

Publication number	Publication date	Application number	Application date
DE10160022 A1	20030618	DE20011060022	20011206
EP1318300 A1	20030611	EP20020027287	20021206

Priority:

DE20011060022 20011206

Probable Assignee: GEN ELECTRIC

Assignee(s): (std): GEN ELECTRIC

Assignee(s): GENERAL ELECTRIC CO ; GENERAL ELECTRIC CO SCHENECTADY ; GENERAL ELECTRIC COMPANY

Inventor(s): (std): BECKER MARKUS

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SI SK TR