

Title (en)  
FRAME ASSEMBLY FOR FOLDING TENTS

Title (de)  
RAHMENANORDNUNG FÜR DAS FALTEN VON ZELTEN

Title (fr)  
ENSEMBLE OSSATURE POUR PLIER DES TENTES

Publication  
**EP 1157180 A1 20011128 (EN)**

Application  
**EP 99962511 A 19991222**

Priority  
• KR 9900801 W 19991222  
• KR 19990043650 A 19991009

Abstract (en)  
[origin: WO0127417A1] A frame assembly for folding tents is disclosed. The tent frame assembly has a working rod (20). The working rod (20) has a housing tube (21) having one or more first vertical guide slits (21'). A lower stationary support (22) has first regularly spaced multiple external support projections (22') and is fixed to the bottom of the housing tube (21). An externally threaded rotating rod (24) is rotatably inserted into the interiors of the housing tube (21) and the stationary support (22). A first support collar (29) has second regularly spaced multiple external support projections (29') and one or more inner projections. The first support collar (29) is movably positioned around the housing tube (21). Multiple posts (30) individually have an upper post (31). The upper post (31) is provided with a support cap (33) having third multiple external support projections on the top of the upper post (31) and is provided with a second support collar (35) having fourth multiple external support projections around the upper housing tube (21). A lower post (37) is telescopically inserted into the upper post (31) and has a retractable support (38) at its upper portion. A wire (36) extends from the second support collar (35) to the lower post (37) through a guide roller (34). Multiple bar linkages consist of a joint (12) and three bars (11). Each of the linkages connects each of the support caps (33) with the first support collar (29) and connects each of the second support collars (35) with the lower stationary support (22).

IPC 1-7  
**E04H 15/48**

IPC 8 full level  
**E04H 15/34** (2006.01); **E04H 15/48** (2006.01); **E04H 15/50** (2006.01)

CPC (source: EP KR US)  
**E04H 15/48** (2013.01 - KR); **E04H 15/50** (2013.01 - EP US)

Citation (search report)  
See references of WO 0127417A1

Cited by  
CN104863415A

Designated contracting state (EPC)  
CH FR GB IT LI

DOCDB simple family (publication)  
**WO 0127417 A1 20010419**; AU 1893400 A 20010423; BR 9916068 A 20011030; CA 2353940 A1 20010419; CN 1329693 A 20020102; DE 19983798 T1 20020131; EP 1157180 A1 20011128; JP 2003511593 A 20030325; KR 100365016 B1 20021216; KR 20000000287 A 20000115; US 2002074032 A1 20020620

DOCDB simple family (application)  
**KR 9900801 W 19991222**; AU 1893400 A 19991222; BR 9916068 A 19991222; CA 2353940 A 19991222; CN 99814254 A 19991222; DE 19983798 T 19991222; EP 99962511 A 19991222; JP 2001529536 A 19991222; KR 19990043650 A 19991009; US 87741201 A 20010607