

Title (en)
ERECTABLE CANOPY WITH REINFORCED ROOF STRUCTURE

Title (de)
AUFRICHTBARES FALTDACH MIT VERSTÄRKTER DACHSTRUKTUR

Title (fr)
ABRI DEPLOYABLE A STRUCTURE DE TOIT RENFORCEE

Publication
EP 1527243 A1 20050504 (EN)

Application
EP 02757012 A 20020807

Priority
US 0225062 W 20020807

Abstract (en)
[origin: WO2004015228A1] The quickly erectable canopy shelters include a plurality of legs connected together by an extendible perimeter assembly of link members. The roof structure is formed by a pole members pivotally mounted to the upper ends of the legs so as to extend across the shelter, and movable between a lowered position and a raised, upwardly arching position. The pole members are pivotally coupled to a central hub, and each of the pole members is formed of pole sections hinged to permit downward folding and upward unfolding until they are fully extended. Corner support strut members are pivotally mounted to the extendible perimeter assembly of link members adjacent to the legs, to support the pole members. The outer ends of the pole members are pivotally connected to the upper ends of the legs by pivoting link members that pivot between a lowered position and a raised position extending above the legs when the shelter is extended. In the raised position the pivoting link members rotate outwardly to absorb downward forces exerted on the roof structure and transmitted outwardly by the pole members.

IPC 1-7
E04H 15/46; **E04H 15/50**

IPC 8 full level
E04H 15/46 (2006.01); **E04H 15/50** (2006.01)

CPC (source: EP)
E04H 15/46 (2013.01); **E04H 15/50** (2013.01)

Citation (search report)
See references of WO 2004015228A1

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