

Title (en)
Shelter frame mechanism

Title (de)
Mechanismus für ein Schutzraumgerüst

Title (fr)
Mécanisme pour structure porteuse d'abri

Publication
EP 1816286 A2 20070808 (EN)

Application
EP 07250431 A 20070201

Priority
GB 0602275 A 20060204

Abstract (en)
A shelter frame mechanism for an outdoor shelter comprising a cover is disclosed. The mechanism has a hub (1) having a threaded axial shaft (2), a multiplicity of spokes (12) pivotally attached to the hub, and a handle (5) engaging the shaft and arranged upon rotation to urge the spokes from a collapsed orientation wherein the cover of the shelter is collapsed to an expanded orientation wherein the cover of the shelter is tensioned. Each spoke has an arm (8) extending radially inwardly from the pivot, and a cam (7) is mounted on the shaft. The cam is driven along the shaft by rotation of the handle so that the collar urges the spokes from the collapsed orientation wherein the spokes are located generally parallel to the hub axis to the expanded orientation wherein the spokes stand outwardly from the hub axis.

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