

Title (en)  
DEVICE FOR SUPPORTING AND HANDLING OF AN OBJECT TO BE UPHOLSTERED

Title (de)  
VORRICHTUNG ZUM STÜTZEN UND HANDHABEN EINES ZU POLSTERNDEN OBJEKTS

Title (fr)  
DISPOSITIF DE SUPPORT ET DE MANIPULATION D'UN OBJET DEVANT ÊTRE REMBOURRÉ

Publication  
**EP 3187458 A1 20170705 (EN)**

Application  
**EP 15382668 A 20151228**

Priority  
EP 15382668 A 20151228

Abstract (en)  
The device comprises a vertical support (1), a first motor (6) arranged to move along guiding means (2) of the support structure (7), upon activation of a second motor (5). The device comprises a supporting structure (7) configured to support the object to be upholstered which is coupled to the first motor (6) through an arm (8) comprising a first end and a second end. The arm (8) is coupled to a counterweight (9) through a first end and to the supporting structure (7) through a second end opposite to the first end. The arm (8) is coupled to an outer shaft of the first motor in an intermediate point of the arm (8) between the first end and the second end of the arm (8), such that the rotary movement of the outer shaft of the first motor (6) produces a rotation of the supporting structure (7) around the said outer axis of the first motor (6).

IPC 8 full level  
**B68G 15/00** (2006.01)

CPC (source: EP)  
**B68G 15/005** (2013.01)

Citation (applicant)  

- EP 0855251 B1 20030716 - CABINET D ETUDES DARZACQ BRIOL [FR], et al
- US 3860228 A 19750114 - CRONIER HENRY J
- US 3977622 A 19760831 - FECHER WALTER
- US 4221368 A 19800909 - CHANNEL CHELSEY B
- US 4767109 A 19880830 - RAKETICH MILTON F [US]
- US 7111373 B2 20060926 - SHIMANO TOSHIYUKI [JP], et al
- NL 9100001 A 19920803 - BRABANT ATELIER
- ES 2277558 B1 20080601 - CREACIONES CONFORTABLES S L [ES]

Citation (search report)  

- [X] US 2835964 A 19580527 - HENRY YARWOOD
- [X] EP 0855251 A1 19980729 - CABINET D ETUDES DARZACQ BRIOL [FR], et al
- [A] FR 2956653 A1 20110826 - SOLHYMECA SOLUTION HYGIENE MECANIQUE [FR]
- [A] DE 2932854 A1 19810212 - JOHANSSON HANS ARNE VALENTIN

Cited by  
DE102015120211B4

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 3187458 A1 20170705**; WO 2017114626 A1 20170706

DOCDB simple family (application)  
**EP 15382668 A 20151228**; EP 2016079350 W 20161130