

Title (en)  
Mast for support structure

Title (de)  
Mast für eine Tragvorrichtung

Title (fr)  
Mât pour une structure porteuse

Publication  
**EP 1160396 A3 20030528 (DE)**

Application  
**EP 01105398 A 20010312**

Priority  
DE 20009896 U 20000602

Abstract (en)  
[origin: US2002007612A1] A mast for a carrying system has carriers which can be vertically moved by way of a runner guided on the mast and which are used for holding stage-related implements. The mast includes several tube sections of the same diameter which are aligned with respect to one another, and an interior tube piece by which the tube sections are connected with one another at a boundary. The interior tube piece is a sleeve which is slotted along a surface line, thereby defining a slot, and is penetrated by at least one pressure screw which acts by way of a pressure piece with a convex outer contour upon counterpressure pieces. The counterpressure pieces also have convex outer contours and are provided at edges of the slot.

IPC 1-7  
**E04H 3/24**

IPC 8 full level  
**E04H 3/24** (2006.01); **E04H 12/18** (2006.01)

CPC (source: EP US)  
**E04H 3/24** (2013.01 - EP US); **E04H 12/185** (2013.01 - EP US); **Y10T 403/557** (2015.01 - EP US); **Y10T 403/7041** (2015.01 - EP US)

Citation (search report)

- [XY] FR 2443607 A3 19800704 - AUPING BV [NL]
- [YA] US 3701553 A 19721031 - VOGT WILHEIM
- [A] US 4328930 A 19820511 - KALEDOVSKY JIRI
- [AD] DE 9217865 U1 19930401

Cited by  
CN102498301A; US9016974B2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**US 2002007612 A1 20020124; US 6519910 B2 20030218**; AT E335897 T1 20060915; DE 20009896 U1 20000907; DE 50110659 D1 20060921; EP 1160396 A2 20011205; EP 1160396 A3 20030528; EP 1160396 B1 20060809; HK 1042534 A1 20020816

DOCDB simple family (application)  
**US 87072401 A 20010601**; AT 01105398 T 20010312; DE 20009896 U 20000602; DE 50110659 T 20010312; EP 01105398 A 20010312; HK 02104177 A 20020531