

Title (en)
TELESCOPIC ANTENNA MAST

Publication
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Application
EP 82100477 A 19820123

Priority
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• DE 3201067 A 19820115

Abstract (en)
[origin: EP0057002A2] 1. Telescopic support mas (1) for mounting devices at elevated heights, especially an antenna mast, wherein the lower mast portion (2) is supportable from the ground by means of at least three outriggers (4) spaced around the circumference and the mast portions (3) are extensible by means of mast-carried drive means (11 to 13), wherein the outriggers are formed as support legs (4) which are adjustable in terms of their length and are respectively coupled through a sleeve (14) arranged at the upper end, by way of a pivot pin (15), to a pivot link (16) connected to the lower mast portion (2) at a distance from its lower end, wherein the longitudinal axis of each sleeve and each pivot pin extends perpendicular to a plane containing the longitudinal axis of the mast and each sleeve is prevented from displacement in the direction of its own longitudinal axis, wherein additionally the lower end of the lower portion of each support leg is connected to a tension element (6) whose other end (7) is secured at the lower region of the lower mast portion, wherein the lower end of each support leg (4) pointing towards the ground has an adjustment device (8) and is connected to an associated support foot (9), and wherein the lower mast portion (2) is secured to a base frame (10) formed as a chassis, characterised by the following features : (a) the support legs (4) can be telescoped and their parts are lockable relative to one another in the respective extended settings ; (b) each pivot link (16) is arranged at the upper end of the lower mast portion (2) and is rigidly connected to this mast portion, and the sleeve (14) and the pivot pin (15) are each so formed that they can take up torque of the mast portion about its axis ; (c) the tension element (6) is a bracing tie ; (d) each adjusting device (8) is arranged for separate height adjustment of the respective support leg relative to the support foot.

IPC 1-7
H01Q 1/12; E04H 12/18

IPC 8 full level
E04H 12/18 (2006.01); **H01Q 1/12** (2006.01)

CPC (source: EP)
H01Q 1/1235 (2013.01)

Cited by
US4994816A; CN105178687A; EP1003238A1; CN105220930A; WO9009341A1

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