

Title (en)  
Telescopic mast system

Title (de)  
Teleskopisches Mastsystem

Title (fr)  
Système de mât télescopique

Publication  
**EP 1028482 A2 20000816 (EN)**

Application  
**EP 00660007 A 20000117**

Priority  
FI 990274 A 19990211

Abstract (en)  
A telescopic mast system, comprising a movable base (1); a telescopic mast (2) comprising an outer mast section (3) and an inner mast section (5); a power means (6) for turning the mast; stay ropes (10, 11, 12) for staying the mast so as to render it substantially immovable in the operating position; a stay beam (13, 14) which in the operating position (II) of the mast (2) can be extended laterally from the mast; a diverting element (15, 16) placed at the end of the stay beam; a coiling device (17, 18) for receiving the stay rope passed over the diverting element (15, 16) so as to coil up and tighten the stay rope. The stretcher device (19) comprises a slide (20) movable on and guided by the outer mast section (3); a bearing rod (21) pivotally connected by one end (22) to the slide (20) and by the other end to the base (1) so that the bearing rod (21) turns in a parallel plane with the mast and the power means (6); and a turning rod (25) pivotally connected by one end (26) to the slide (20) and by the other end (27) to the stay beam (13, 14) to turn the stay beam between the position (A) where it lies parallel to the mast and the outstretched position (B) as the slide is moved along the outer mast section by the action of the bearing rod when the mast is being turned by the power means between the transport position and the operating position. <IMAGE>

IPC 1-7  
**H01Q 1/12**

IPC 8 full level  
**H01Q 1/12** (2006.01); **H01Q 1/32** (2006.01)

CPC (source: EP)  
**H01Q 1/1235** (2013.01); **H01Q 1/3216** (2013.01)

Citation (applicant)  
• EP 0296957 A2 19881228 - GUENIN ROGER ANDRE  
• DE 3839858 A1 19900531 - SALZGITTER MASCHINENBAU [DE]  
• SE 409320 A

Cited by  
US2015076927A1; EP2530782A1; US10038337B1; EP1585186A3; US2016261029A1; US9748639B2; EA032997B1; CN110863692A; WO2010142506A1; WO2007083171A1; US10020678B1; US10134260B1; US10439448B2; US10888287B2; US11139699B2; US11715980B2; US12074459B2; US9876536B1; US10124754B1; US10135294B1; US10193396B1; US10205239B1; US10270261B2; US10965164B2; US11011942B2; US11652369B2; US11916398B2; US12074460B2; US8467741B2; US9882395B1; US9882430B1; US9900057B2; US9923386B1; US9973008B1; US10027168B2; US10128699B2; US10199849B1; US9876648B2; US9899861B1; US9979440B1; US10003211B1; US10141768B2; US10186913B2; US10211685B2; US10224982B1; US10243414B1; US11381118B2; US11539243B2; US7642987B2; US9893768B2; US9966765B1; US10008875B1; US10075017B2; US10135112B1; US10153653B1; US10199835B2; US10224758B2; US10291066B1; US11159057B2; US11355966B2; US9853458B1; US10008889B2; US10027180B1; US10063105B2; US10396604B2; US10511196B2; US10523058B2; US10848853B2; US11218795B2; US9787103B1; US9847679B2; US9866279B2; US9871301B2; US9882427B2; US9935482B1; US10063106B2; US10218227B2; US10263432B1; US10498144B2; US11502551B2; US9847669B2; US9887584B1; US9899844B1; US10063108B1; US10063064B1; US10103552B1; US10128686B1; US10256677B2; US10594165B2; US10680319B2; US10790674B2; US11245289B2; US11863001B2; US9853485B2; US9871387B1; US10021523B2; US10122415B2; US10177594B2; US10206185B2; US10483768B2; US10523033B2; US10615647B2; US10491029B2; US10516301B2; US11710987B2; US11777328B2; US9859756B2; US9893555B1; US9941752B2; US9967743B1; US10008886B2; US10027158B2; US10056782B1; US10116162B2; US10135286B2; US10141771B1; US10164478B2; US10186892B2; US10211680B2; US10218207B2; US10263476B2; US10277054B2; US10439442B2; US11063476B2; US9793758B2; US9887739B2; US9893538B1; US9906275B2; US9941747B2; US10148133B2; US10211674B1; US10320446B2; US10923954B2; US11515732B2; US11699847B2; US11710321B2; US11777342B2; US11967760B2; US9819230B2; US9859758B1; US9899873B2; US9917477B1; US9941707B1; US10148097B1; US10153645B1; US10186893B2; US10199850B2; US10223717B1; US10256657B2; US10389161B2; US11114885B2; US11342798B2; US11817721B2; US9824815B2; US9831718B2; US9859797B1; US9891669B2; US10068703B1; US10116143B1; US10128695B2; US10153660B1; US10298133B2; US10490346B2; US10985617B1; US10992187B2; US11411441B2; US11411437B2; US11437735B2; US11799328B2; US11817719B2; US11831361B2; US9312596B2; US9812890B1; US9843201B1; US9847677B1; US9859757B1; US9876379B1; US9899744B1; US10090886B1; US10103426B2; US10122219B1; US10211682B2; US10291056B2; US10298024B2; US10305315B2; US10312715B2; US10714984B2; US10734717B2; US10992185B2; US11056929B2; US9800172B1; US9843213B2; US9853692B1; US9876394B1; US9906065B2; US10014728B1; US10050470B1; US10050462B1; US10079515B2; US10090699B1; US10355534B2; US10447093B2; US10476312B2; US10840743B2; US10879740B2; US11233425B2; US11451096B2; US11462949B2; US11594902B2; US12027899B2; US9838083B2; US9843229B2; US9867062B1; US9882394B1; US9912199B2; US9939864B1; US9941754B2; US9941705B2; US9954374B1; US10027159B2; US10033222B1; US10103582B2; US10230266B1; US10333332B1; US10491029B2; US10516301B2; US10554052B2; US11018779B2; US11463179B2; US11784726B2; US11799324B2; US9800080B2; US9806564B2; US9825674B1; US9871398B1; US9948135B2; US9966784B2; US9965009B1; US9991741B1; US10038332B1; US10075008B1; US10116170B1; US10128693B2; US10135295B2; US10141791B2; US10186911B2; US10291294B2; US10396588B2; US10511097B2; US10516289B2; US10958095B2; US11245191B2; US11637456B2; US11689045B2; US11722177B2; US12057715B2

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