

Title (en)
MOBILE EXTENSIBLE WORKING PLATFORM

Publication
EP 0421977 A3 19910925 (DE)

Application
EP 90890244 A 19900816

Priority
• AT 200089 A 19890824
• AT 276589 A 19891205

Abstract (en)
[origin: EP0421977A2] A catenary vehicle using a working platform which can be raised and lowered comprises, for extending the working platform (4), four lifting columns each having hydraulically driven members capable of moving telescopically relative to one another. In this arrangement, each lifting column can be adjusted by in each case one stationary, vertically arranged toothed chain (21) running over in each case one chain wheel (29) and two pressure rollers (20), the chain wheels (29) for two respective lifting columns (3a, 3b) being rigidly mounted on a shaft (19). In addition, an additional chain wheel (29) is rigidly mounted on each shaft (19), and a first shaft (19) is connected to a second shaft (19) by means of a chain (8a and 8b respectively). The parallel position of the working platform 4 with respect to the reference plane is guaranteed by the invention without having to use an additional parallel-guiding device. <IMAGE>

IPC 1-7
E04G 1/22

IPC 8 full level
E04G 1/22 (2006.01)

CPC (source: EP)
E04G 1/22 (2013.01)

Citation (search report)
• [A] GB 501217 A 19390223 - EPCO LTD, et al
• [A] CH 256924 A 19480915 - PETER AG KONRAD [CH]
• [A] US 2750004 A 19560612 - BERTRAM HARRISON JOHN
• [A] EP 0214345 A1 19870318 - NISSO SANGYO KK [JP]
• [A] GB 759187 A 19561017 - ACCESS EQUIPMENT LTD
• [A] DE 8900944 U1 19890323
• [A] DE 2238213 A1 19740214 - VER FLUGTECHNISCHE WERKE

Cited by
CN101962995A; US6349793B1; CN116537814A; CN108502820A; CN114055025A; EP1186384A1; FR2813546A1; US5573080A; CN1064014C; CN104158128A

Designated contracting state (EPC)
AT CH DE IT LI

DOCDB simple family (publication)
EP 0421977 A2 19910410; EP 0421977 A3 19910925; EP 0421977 B1 19940112; AT E100172 T1 19940115; CS 404690 A3 19920115; DE 59004214 D1 19940224; HU 206658 B 19921228; HU 905327 D0 19910228; HU T58648 A 19920330

DOCDB simple family (application)
EP 90890244 A 19900816; AT 90890244 T 19900816; CS 404690 A 19900817; DE 59004214 T 19900816; HU 532790 A 19900824