

Title (en)

A control system for an elevatable and extendible structure.

Title (de)

Steuereinrichtung für eine aufrichtbare und ausfahrbare Struktur.

Title (fr)

Système de commande pour une structure redressable et extensible.

Publication

EP 0154069 A2 19850911 (EN)

Application

EP 84303094 A 19840508

Priority

GB 8406094 A 19840308

Abstract (en)

A digital computer based control system for a turntable ladder mounted on a vehicle is arranged to limit extension and minimum elevation angle of the ladder in accordance with the intended loading of the ladder. The system performs initial checks on parts of the system and will permit only manual control at low speed where the operational state of a part involved is unsatisfactory or outside the limits. In addition to monitoring the stabilising jacks on the vehicle and preventing movement of the ladder which would tend to increase an excessive bending force on it, the system automatically plumbs the ladder so that its rounds are horizontal. The system can also be applied to control a cage or platform on a telescopic boom.

IPC 1-7

E06C 5/04; B66C 23/90

IPC 8 full level

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CPC (source: EP)

B66C 23/905 (2013.01); **E06C 5/36** (2013.01)

Cited by

CN106193994A; EP1312579A3; EP0349359A1; CN110206769A; EP0236804A1; DE19946411A1; CN102536103A; EP0675069A1; EP0206940A1; FR2583898A1; FR2750972A1; EP0420625A3; US5160056A; DE102014200396A1; US10099660B2; WO2017125198A1; FR2720438A1; DE102014215019A1; EP4148228A1; IT202100023573A1

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