

Title (en)

Wire rope supply path length adjusting device and suspension support device for an outer wall working machine utilizing the same

Title (de)

Regulievorrichtung der Drahtseillänge von Tragvorrichtungen für Fassadenbearbeitungsmaschinen

Title (fr)

Dispositif de réglage de la longueur de déroulage de câble pour un support d'appareil pour traiter des façades

Publication

EP 0798429 A1 19971001 (EN)

Application

EP 97104753 A 19970320

Priority

JP 9487096 A 19960325

Abstract (en)

A wire rope supply path length adjusting device (80) for adjusting change in length of a wire rope supply path caused by pivoting of a pivotable arm (20) pivotably supported on a base member (10) for suspending an object to be supported by means of wire ropes includes a pair of fixed pulleys (81) of the same diameter provided rotatably about axes of rotation parallel to a rotation axis of the pivotable arm across the wire rope supply path at positions which are spaced from the rotation axis (second axis) of the pivotable arm on the side of said base member, and a pair of movable pulleys (82) of the same diameter provided rotatably about axes of rotation parallel to the rotation axis of the pivotable arm across the wire rope supply path at positions which are spaced from the rotation axis of said pivotable arm on the side of the pivotable arm. The wire ropes (4) are caused to engage on the pulleys on the pivoting side among the respective pairs of pulleys and the diameters of the respective pairs of pulleys and the distances of the respective pairs of pulleys from the rotation axis of said pivotable arm are selected at values at which length of the wire rope supply path between the respective pairs of pulleys is maintained substantially constant regardless of change in an angle of rotation of said pivotable arm. <IMAGE>

IPC 1-7

E04G 1/00; **E04G 3/00**

IPC 8 full level

E04G 3/28 (2006.01); **E04G 3/00** (2006.01); **E04G 3/34** (2006.01)

CPC (source: EP)

E04G 3/34 (2013.01)

Citation (search report)

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- [A] US 3803656 A 19740416 - FANNON R
- [A] EP 0574817 A1 19931222 - NIPPON BISO KK [JP]
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CN108057897A; US7523517B2

Designated contracting state (EPC)

DE FR

DOCDB simple family (publication)

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