

Title (en)

Vacuum held crawler.

Title (de)

Durch Vakuum gehaltenes Gerät.

Title (fr)

Appareil susceptible d'être tenu par vide.

Publication

EP 0407745 A2 19910116 (EN)

Application

EP 90111093 A 19900612

Priority

JP 14970589 A 19890614

Abstract (en)

A vacuum held crawler capable of substantially reducing frictional resistance between a wall (H) of a building and the crawler, thus increasing the efficiency and reducing the power required for driving the crawler. A flexible seal member (5) is arranged so as to surround a recess of a vacuum chamber (4) and vertically project by a suitable length from the bottom of the vacuum chamber. A low friction member (6) is mounted on the distal end of the seal member. The seal member and low friction member have thin walls. Such construction permits the flexible seal member to be in close contact by means of the low friction member with the wall while being held on the wall by the low friction member by suction, thereby preventing the bottom of the vacuum chamber from coming into contact with the wall.

IPC 1-7

E04G 23/00

IPC 8 full level

B62D 57/024 (2006.01); **B25J 5/00** (2006.01); **E04G 23/00** (2006.01)

CPC (source: EP)

E04G 23/002 (2013.01)

Cited by

CN112236357A; CN110745194A; CN114275065A; CN114802512A; EP0584520A1; US6742617B2; EP3362232A4; CN105035283A; CN107662214A; EP2835082A4; FR3066993A1; CN110997467A; CN111608407A; US7311162B2; DE102012021708A1; WO2018076706A1; WO2018220289A1; WO03101664A1; WO2021037461A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0407745 A2 19910116; **EP 0407745 A3 19911009**; **EP 0407745 B1 19940608**; AT E106979 T1 19940615; CA 2018708 A1 19901214; DE 69009600 D1 19940714; DE 69009600 T2 19940922; DK 0407745 T3 19940704; JP H0316887 A 19910124

DOCDB simple family (application)

EP 90111093 A 19900612; AT 90111093 T 19900612; CA 2018708 A 19900611; DE 69009600 T 19900612; DK 90111093 T 19900612; JP 14970589 A 19890614