

Title (en)
CRADLE

Title (de)
WIEGE

Title (fr)
BERCEAU

Publication
EP 4079196 A4 20240110 (EN)

Application
EP 20904169 A 20200323

Priority
• CN 201911313425 A 20191218
• CN 2020080611 W 20200323

Abstract (en)
[origin: EP4079196A1] Disclosed is a cradle, including a base (1), a support (3), a movable bed compartment (2), a wire-winding barrel (201), a first wire body (202) and a second wire body (205). The movable bed compartment (2) is movably connected with the support (3) arranged on the base (1) in a suspended manner. A first fixed end (203) and a second fixed end (206) are arranged on the bottom face of the movable bed compartment (2) in the moving direction of the movable bed compartment (2). The wire-winding barrel (201) is located between the first fixed end (203) and the second fixed end (206). The wire-winding barrel (201) is rotationally fixed to the face of the base (1) facing to the movable bed compartment (2). The first wire body (202) and the second wire body (205) are respectively wound on the wire-winding barrel (201), and the winding direction of the first wire body (202) is opposite to the winding direction of the second wire body (205). The free end of the first wire body (202) is connected with the first fixed end (203) by means of an elastic member (204), and the free end of the second wire body (205) is connected with the second fixed end (206) by means of an elastic member (204). Damage is reduced by means of the elastic members (204) that are flexibly connected, and even if an object is clamped in the running process, the object can be easily taken out when a motor stops running or rotates backward.

IPC 8 full level
A47D 9/02 (2006.01)

CPC (source: CN EP US)
A47D 9/02 (2013.01 - CN); **A47D 9/057** (2022.08 - EP US)

Citation (search report)
• [XAI] CA 1021502 A 19771129 - WONG GIM
• [X] US 1727635 A 19290910
• See references of WO 2021120436A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 4079196 A1 20221026; EP 4079196 A4 20240110; AU 2020403879 A1 20220407; CN 112971451 A 20210618;
US 2022312988 A1 20221006; WO 2021120436 A1 20210624

DOCDB simple family (application)
EP 20904169 A 20200323; AU 2020403879 A 20200323; CN 201911313425 A 20191218; CN 2020080611 W 20200323;
US 202017642228 A 20200323