

Title (en)

Device for motorised drive of a movable structure and movable structure comprising such a device

Title (de)

Motorisierte Antriebsvorrichtung einer mobilen Struktur und mit einer solchen Vorrichtung ausgestattete mobile Struktur

Title (fr)

Dispositif d'entraînement motorisé d'une structure mobile et structure mobile comprenant un tel dispositif

Publication

EP 2692977 A1 20140205 (FR)

Application

EP 13178732 A 20130731

Priority

FR 1257417 A 20120731

Abstract (en)

The device has a mechanical transmission assembly (27) comprising an input shaft (31) to which a motor (26) is coupled. Cylindrical output pinions (41, 41') are integrally mounted on an output shaft (40) of the assembly. Pinions (49) are integrally mounted with a wheel (13) and arranged on both sides of the wheel, where each pinion is adapted to be rotated by the respective output pinion. The assembly has a housing (28), and the output pinions are extended outside of the housing. The assembly has cylindrical intermediate pinions (42, 42') meshed with the pinions. An independent claim is also included for a movable structure e.g. shelter structure, for a swimming pool.

Abstract (fr)

L'invention concerne un dispositif d'entraînement (17) d'une structure mobile, comprenant une roue (13), un moteur (26) et un ensemble de transmission (27), l'ensemble de transmission (27) comprenant un arbre d'entrée (31) auquel est accouplé le moteur (26), un arbre de sortie (40), et deux pignons de sortie (41, 41') montés solidaires de l'arbre de sortie (40), le dispositif étant caractérisé en ce qu'il comprend en outre deux pignons (49, 49') montés solidaires de la roue (13) et agencés de part et d'autre de la roue (13), et en ce que chaque pignon (49, 49') monté solidaire de la roue (13) est propre à être entraîné en rotation par un pignon de sortie (41, 41') respectif.

IPC 8 full level

E05F 15/635 (2015.01)

CPC (source: EP US)

E05F 15/635 (2015.01 - EP); **E05F 15/641** (2015.01 - EP US); **E05Y 2201/674** (2013.01 - EP US)

Citation (applicant)

FR 2882779 A1 20060908 - CHORIN CHRISTIAN [FR]

Citation (search report)

- [AD] FR 2882779 A1 20060908 - CHORIN CHRISTIAN [FR]
- [A] EP 1054129 A1 20001122 - CHORIN CHRISTIAN [FR]

Cited by

CN106571717A; CN110499993A; EP3936684A1; FR3112360A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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