Title (en)

OBJECT MOVING DEVICE

Title (de

OBJEKTBEWEGUNGSVORRICHTUNG

Title (fr)

DISPOSITIF DE DÉPLACEMENT D'OBJET

Publication

EP 3786408 A4 20220216 (EN)

Application

EP 19792309 A 20190507

Priority

- JP 2018087464 A 20180427
- JP 2019018224 W 20190507

Abstract (en

[origin: EP3786408A1] The present invention achieves an object moving device including a direction-changing portion for which strength is ensured with a simple structure. The object moving device includes: a drive section; a carrier plate; a guide member guiding the carrier plate; a cable connected to the carrier plate and transmitting a driving force of the drive section to the carrier plate; and a direction-changing member attached to the guide member. The direction-changing member includes the direction-changing portion changing a direction of the cable, a support portion supporting the direction-changing portion, and a rigid portion provided with the support portion. The guide member includes an attachment portion to which the direction-changing member is attached. The attachment portion includes a first fitting portion regulating movement of the direction-changing member in a direction in which the guide member extends, and a second fitting portion allowing the movement of the direction-changing member in the direction in which the guide member extends and regulating movement of the direction-changing member in a direction perpendicular to the direction in which the guide member extends. The direction-changing member is fixed to the attachment portion by winding of the cable around the direction-changing member and application of tension in a state in which the direction-changing member is attached to the attachment portion.

IPC 8 full level

E05F 11/48 (2006.01); B60J 1/17 (2006.01); E05F 15/689 (2015.01)

CPC (source: EP)

E05F 11/483 (2013.01); **E05F 15/689** (2015.01); E05Y 2201/654 (2013.01); E05Y 2201/668 (2013.01); E05Y 2600/52 (2013.01); E05Y 2600/626 (2013.01); E05Y 2800/674 (2013.01); E05Y 2800/676 (2013.01); E05Y 2900/55 (2013.01)

Citation (search report)

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- [XAY] US 9580953 B1 20170228 MATSUSHITA MASAYUKI [US]
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- See references of WO 2019208830A1

Designated contracting state (EPC)

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