

Title (en)
DAMPING AND ANTI-SWING MOVING SYSTEM

Title (de)
DÄMPFUNGS- UND SCHWINGSCHUTZBEWEGUNGSSYSTEM

Title (fr)
SYSTÈME MOBILE À AMORTISSEMENT ET ANTI-BALANCEMENT

Publication
EP 4328407 A1 20240228 (EN)

Application
EP 22931520 A 20220330

Priority
• CN 202210245868 A 20220314
• CN 2022084017 W 20220330

Abstract (en)
Disclosed in the present application is a damping and anti-swing moving system, including: a damper, an anti-swing wheel device and a moving body; the damper is provided on a top of the moving body; and the anti-swing wheel device is provided on a bottom of the moving body. The present application dampens the moving body by the damper, which effectively prevents the moving body from colliding when moving, which reduces the damage to the damper, which increases the service life of the damper and improves the using experience. Additionally, a bottom of the moving body is provided with an anti-swing wheel device that plays an auxiliary load-bearing role on the moving body; also, the rolling part of the anti-swing wheel device is in contact with the ground, and the friction between the rolling part and the ground is used for holding back the moving body, so as to prevent the moving body from swinging.

IPC 8 full level
E05D 13/00 (2006.01); **E05D 15/06** (2006.01); **E05F 5/08** (2006.01)

CPC (source: CN EP)
E05D 13/12 (2013.01 - CN); **E05D 15/063** (2013.01 - CN EP); **E05D 15/0665** (2013.01 - CN EP); **E05D 15/0669** (2013.01 - EP); **E05F 1/16** (2013.01 - EP); **E05F 5/003** (2013.01 - EP); **E05F 5/08** (2013.01 - CN); **E05Y 2201/412** (2013.01 - EP); **E05Y 2201/48** (2013.01 - EP); **E05Y 2201/64** (2013.01 - EP); **E05Y 2800/422** (2013.01 - EP); **E05Y 2900/132** (2013.01 - EP)

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4328407 A1 20240228; **EP 4328407 A4 20240710**; CN 114645649 A 20220621; WO 2023173491 A1 20230921

DOCDB simple family (application)
EP 22931520 A 20220330; CN 2022084017 W 20220330; CN 202210245868 A 20220314