

Title (en)
CRANE

Title (de)
KRAN

Title (fr)
GRUE

Publication
EP 4357290 A1 20240424 (EN)

Application
EP 23204231 A 20231018

Priority
JP 2022169431 A 20221021

Abstract (en)
Provided is a crane capable of effectively suppressing the swing of the suspended object when the work to transport the suspended object is stopped. A crane (1) includes a boom (2) and a suspended object 16 suspended from the boom (2). The crane (1) is configured to perform, when in plane coordinates as seen vertically downward from above the crane, a position where the suspended object 16 is suspended from the boom (2) without swinging is defined as a reference position of the suspended object 16, a first control to operate, in a case where the suspended object 16 is at a first shifted position 16a1 shifted with respect to a first reference position, the boom 2 to approach the first shifted position 16a1 in the plane coordinates, and a second control to operate, in a case where the suspended object 16 is at a second shifted position 16a2 shifted from a second reference position that is a reference position after the first control, the boom 2 to approach the second shifted position 16a2 in the plane coordinates.

IPC 8 full level
B66C 13/22 (2006.01); **B66C 13/48** (2006.01)

CPC (source: CN EP)
B66C 13/16 (2013.01 - CN); **B66C 13/22** (2013.01 - EP); **B66C 13/48** (2013.01 - CN EP); **B66C 23/44** (2013.01 - CN); **B66C 23/62** (2013.01 - CN)

Citation (applicant)
JP 2004284735 A 20041014 - ISHIKAWAJIMA TRANSP MACHINERY, et al

Citation (search report)
• [A] JP 2004284735 A 20041014 - ISHIKAWAJIMA TRANSP MACHINERY, et al
• [A] US 6308844 B1 20011030 - OKADA HISAKO [JP], et al
• [A] JP 6772642 B2 20201021
• [A] JP 2010235249 A 20101021 - TADANO LTD

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4357290 A1 20240424; CN 117917372 A 20240423; JP 2024061463 A 20240507

DOCDB simple family (application)
EP 23204231 A 20231018; CN 202311349048 A 20231018; JP 2022169431 A 20221021