

Title (en)  
METHOD FOR OPEN-LOOP AND/OR CLOSED-LOOP CONTROL OF A VEHICLE-MOUNTED LIFTING GEAR

Title (de)  
VERFAHREN ZUM STEUERN UND/ODER REGELN EINES FAHRZEUGGEBUNDENEN HEBEZEUGES

Title (fr)  
PROCÉDÉ DE COMMANDE EN BOUCLE OUVERTE ET/OU EN BOUCLE FERMÉE D'UN ENGIN DE LEVAGE MONTÉ SUR UN VÉHICULE

Publication  
**EP 4337589 A1 20240320 (DE)**

Application  
**EP 22715517 A 20220404**

Priority  
• AT 501052021 U 20210514  
• AT 2022060102 W 20220404

Abstract (en)  
[origin: WO2022236346A1] The invention relates to a method for open-loop and/or closed-loop control of a vehicle-mounted lifting gear (1), comprising an articulated crane arm system (2) having a crane (3) and a crane base (4), by taking into account a determined position of at least one point (5) of the crane arm system (2), wherein a deformation (6) of the crane arm system (2) arising under the action of dynamic and/or static forces is taken into account when determining the position of the at least one point (5), wherein an oblique position of the lifting gear (1) resulting from an inclination (7) of the crane base (4) relative to a predetermined or predeterminable direction in space is determined and taken into account when determining the position of the at least one point (5).

IPC 8 full level  
**B66C 23/70** (2006.01); **B66C 13/46** (2006.01)

CPC (source: AT EP KR US)  
**A21C 15/04** (2013.01 - AT); **A47J 47/12** (2013.01 - AT); **B26B 29/063** (2013.01 - AT); **B26D 7/01** (2013.01 - AT); **B26D 7/26** (2013.01 - AT); **B26D 11/00** (2013.01 - AT); **B66C 13/46** (2013.01 - AT KR US); **B66C 23/36** (2013.01 - AT); **B66C 23/42** (2013.01 - US); **B66C 23/44** (2013.01 - KR); **B66C 23/701** (2013.01 - EP KR); **B66C 23/905** (2013.01 - AT US); **B26B 2029/066** (2013.01 - AT); **B26D 2210/02** (2013.01 - AT); **B26D 2210/06** (2013.01 - AT); **B66C 2700/0357** (2013.01 - KR)

Citation (search report)  
See references of WO 2022236346A1

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)  
**WO 2022236346 A1 20221117**; AT 17596 U1 20220815; AU 2022273108 A1 20231116; BR 112023023240 A2 20240123; CA 3219974 A1 20221117; CL 2023003385 A1 20240503; CN 117295677 A 20231226; EP 4337589 A1 20240320; JP 2024518581 A 20240501; KR 20240004829 A 20240111; US 2024076170 A1 20240307

DOCDB simple family (application)  
**AT 2022060102 W 20220404**; AT 501052021 U 20210514; AU 2022273108 A 20220404; BR 112023023240 A 20220404; CA 3219974 A 20220404; CL 2023003385 A 20231113; CN 202280034938 A 20220404; EP 22715517 A 20220404; JP 2023570338 A 20220404; KR 20237041464 A 20220404; US 202318503705 A 20231107