

Title (en)  
LOAD ANOMALY RECOGNITION

Title (de)  
ERKENNUNG VON LASTANOMALIEN

Title (fr)  
RECONNAISSANCE D'ANOMALIE DE CHARGE

Publication  
**EP 4389681 A1 20240626 (EN)**

Application  
**EP 23214096 A 20231204**

Priority  
IT 202200026451 A 20221222

Abstract (en)  
A forklift truck (1) including: material handling means (2) for lifting a load (3), an optical sensor (5) for acquiring image information representing an image of an environment, the environment including one or more loads, a control unit (6) communicably coupled to the optical sensor (5) to receive the image information, a touchscreen (7) communicably coupled to the control unit (6) and configured to display the image of the environment under the control of the control unit (6), the touchscreen (7) being further configured to acquire from a user a load selection input (72) relating to a target load (71) out of the one or more loads represented in the image displayed by the touchscreen (7); wherein the control unit (6) is configured to provide, based on the image information acquired by the optical sensor (5) and based on the load selection input (72), an anomaly notification (73) relating to an anomaly level of spatial characteristics of the target load (71), wherein the anomaly notification (73) indicates a danger in case of picking up the target load (71) using the material handling means (2).

IPC 8 full level  
**B66F 9/06** (2006.01); **B66F 17/00** (2006.01)

CPC (source: EP)  
**B66F 9/063** (2013.01); **B66F 17/003** (2013.01)

Citation (search report)  
• [Y] EP 3805888 A1 20210414 - TOYOTA JIDOSHOKKI KK [JP]  
• [Y] EP 3960692 A1 20220302 - BEIJING GEEKPLUS TECH CO LTD [CN]  
• [Y] WO 2022132239 A1 20220623 - MOTION2AI [US]  
• [A] US 2021276842 A1 20210909 - BISTRY HANNES [DE], et al  
• [A] US 2022078972 A1 20220317 - FAULRING FRANK [US], et al  
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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)  
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