

Title (en)

AN IMAGING SYSTEM AND A METHOD FOR DETERMINING THE DEFECTS IN GLAZINGS

Title (de)

ABBILDUNGSSYSTEM UND VERFAHREN ZUR BESTIMMUNG VON DEFECTEN IN VERGLASUNGEN

Title (fr)

SYSTÈME D'IMAGERIE ET PROCÉDÉ POUR LA DÉTERMINATION DES DÉFAUTS DANS DES VITRAGES

Publication

EP 4217719 A1 20230802 (EN)

Application

EP 21871853 A 20210922

Priority

- IN 202041042107 A 20200928
- IN 2021050929 W 20210922

Abstract (en)

[origin: WO2022064519A1] The present disclosure provides an apparatus and a method for determining defects, and uses multi response imaging and sensor fusion to determine the defects associated with soldering process in an automotive vehicle glazing manufacturing line. The disclosed apparatus (100) for determining defects in a vehicle glazing. Said apparatus comprises plurality of sensors (101) configured to obtain at least temperature, images of one or more connecting regions on the vehicle glazing during a soldering process on the vehicle glazing. The apparatus further includes a data acquisition system (102) operably configured with the plurality of sensors for obtaining data from said sensors and a control unit (103) comprising a processing unit operably configured with the data acquisition system for analyzing the occurrence of a defect during the soldering process based on an analytical module. The apparatus also includes an alert unit (104) for providing alerts on detecting the occurrence of a defect.

IPC 8 full level

G01N 25/72 (2006.01); **B32B 17/06** (2006.01); **G06T 7/00** (2017.01)

CPC (source: EP)

G01N 25/72 (2013.01); **G06T 7/0008** (2013.01); **G06T 2207/10048** (2013.01); **G06T 2207/30152** (2013.01)

Citation (search report)

See references of WO 2022064519A1

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 2022064519 A1 20220331; CN 116234691 A 20230606; EP 4217719 A1 20230802

DOCDB simple family (application)

IN 2021050929 W 20210922; CN 202180063888 A 20210922; EP 21871853 A 20210922