

Title (en)

DEVICE AND METHOD FOR MEASURING DEFORMATION OF A METAL SHEET

Title (de)

VORRICHTUNG UND VERFAHREN ZUM MESSEN DER VERFORMUNG EINES BLECHS

Title (fr)

DISPOSITIF ET PROCÉDÉ DE MESURE DE LA DÉFORMATION D'UNE TÔLE MÉTALLIQUE

Publication

EP 2729761 A1 20140514 (EN)

Application

EP 12807159 A 20120118

Priority

- SE 1150628 A 20110704
- SE 2012050036 W 20120118

Abstract (en)

[origin: WO2013006109A1] The present invention relates to a sheet metal folding measurement method and device (100) for monitoring a folding process in real-time. The device (100) comprises a time- of-flight (TOF) sensor (120), a processing unit (140) and an output unit (160). The TOF sensor (120) is adapted and configured to capture a range image frame (170) representative of the distance between the TOF sensor (120) and a measured surface area (220) of the metal sheet (200). The processing unit (140) is configured to determine a two dimensional angle variable between the surface area (220) and a reference surface (R) and deliver the two dimensional angle variable as an output (165).

IPC 8 full level

B21D 5/02 (2006.01); **G01B 11/26** (2006.01); **G01S 17/89** (2020.01)

CPC (source: EP US)

B21D 5/006 (2013.01 - EP); **B21D 5/02** (2013.01 - EP US); **G01B 11/24** (2013.01 - EP); **G01B 11/26** (2013.01 - EP); **G01S 17/89** (2013.01 - EP US)

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

DOCDB simple family (publication)

WO 2013006109 A1 20130110; EP 2729761 A1 20140514; EP 2729761 A4 20150325

DOCDB simple family (application)

SE 2012050036 W 20120118; EP 12807159 A 20120118