

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

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Application
EP 12807159 A 20120118

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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).

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G01S 17/89 (2013.01 - EP US)

Citation (search report)
• [XD] US 6727986 B1 20040427 - SERRUYS WIM [BE]
• [A] US 5531087 A 19960702 - KITABAYASHI HIROYUKI [JP], et al
• [A] EP 0915320 A1 19990512 - AMADA METRECS CO [JP]
• [A] US 2010208039 A1 20100819 - STETTNER ROGER [US]
• See references of WO 2013006109A1

Designated contracting state (EPC)
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