

Title (en)

BACKLASH MEASUREMENT AND COMPENSATION TO INCREASE THE ACCURACY OF LASER SHAFT ALIGNMENT

Title (de)

GEGENREAKTIONSMESSUNG UND KOMPENSIERUNG ZUR ERHÖHUNG DER GENAUIGKEIT EINER LASEROPTISCHEN WELLENAUSRICHTUNG

Title (fr)

MESURE ET COMPENSATION DE JEU POUR AUGMENTER LA PRÉCISION D'ALIGNEMENT D'AXE DE LASER

Publication

EP 2729762 A1 20140514 (EN)

Application

EP 12737513 A 20120705

Priority

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- EP 2012063132 W 20120705

Abstract (en)

[origin: WO2013004780A1] An alignment process for aligning a pair of mating shafts, wherein the alignment process utilizes a first laser sensor (212) attached to a first shaft (112) of a pair of mating shafts and a second laser sensor (222) attached to a second shaft (122) of the pair of mating shafts. The process determines an initially read erroneous radial displacement (324) and a backlash generated laser angular offset (234). The initially read erroneous radial displacement (324) and backlash generated laser angular offset (234) are entered into a geometric formula to determine a true radial displacement (310).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2013004780A1

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