

Title (en)
INDUSTRIAL MACHINE PROVIDED WITH INTERFEROMETRIC MEASURING MEANS

Title (de)
MIT INTERFEROMETRISCHEN MESSMITTELN VERSEHENE INDUSTRIEMASCHINE

Title (fr)
MACHINE INDUSTRIELLE DOTÉE DE MOYENS DE MESURE INTERFÉROMÉTRIQUE

Publication
EP 2089183 A1 20090819 (EN)

Application
EP 06821769 A 20061108

Priority
IT 2006000780 W 20061108

Abstract (en)
[origin: WO2008056383A1] An industrial machine (200) is described comprising: - a moving structural element (2) for adopting different positions in corresponding operating configurations of the machine (200); optoelectronic measuring means (11, 12) of a distance (d) between a first reference axis (a1) and a second reference axis (a2) associated to said structural element (2); characterized in that said optoelectronic measuring means (11, 12) comprise a laser interferometer (20) and a measuring reflecting target (12) that are optically coupled to each other and each being associated with one of said reference axes, said laser interferometer including a laser source for emitting a direct electromagnetic radiation to said target (12) and interference means between a reflected electromagnetic radiation from said target and a reference electromagnetic radiation obtained from the direct electromagnetic radiation.

IPC 8 full level
B23Q 17/22 (2006.01); **B23Q 17/24** (2006.01)

CPC (source: EP)
B23Q 17/22 (2013.01); **B23Q 17/2495** (2013.01)

Citation (search report)
See references of WO 2008056383A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2008056383 A1 20080515; CN 101583462 A 20091118; EP 2089183 A1 20090819

DOCDB simple family (application)
IT 2006000780 W 20061108; CN 200680056547 A 20061108; EP 06821769 A 20061108