

Title (en)  
METHOD AND SYSTEM FOR SYNCHRONISING ANGLES

Title (de)  
VERFAHREN UND SYSTEM ZUR WINKELSYNCHRONISATION

Title (fr)  
PROCÉDÉ ET SYSTÈME DE SYNCHRONISATION D'ANGLES

Publication  
**EP 1809445 A1 20070725 (DE)**

Application  
**EP 05799201 A 20051007**

Priority  
• DE 2005001793 W 20051007  
• DE 102004050426 A 20041015

Abstract (en)  
[origin: WO2006042504A1] The invention a method and to a system for synchronising angles of at least two displaceable working means (2, 2') at a predetermined point of action (4). Said working means are, in particular, a robot-controlled tool or a robot-controlled radiation emitter and/or radiation receiver. In order to synchronise angles in a precise manner, the directions of the action (1, 1') of the working means (2, 2') are, in particular represented in a continuous manner, detected and united at a predetermined point of action(4). The angle (a) between the directions of the action (1, 1') of the working means (2, 2') is determined by, in particular, an optical angle measurement and is adjusted to a predetermined value.

IPC 8 full level  
**B25J 9/16** (2006.01); **A61B 6/00** (2006.01); **G01B 11/27** (2006.01)

CPC (source: EP US)  
**A61B 6/4458** (2013.01 - EP US); **B25J 9/1682** (2013.01 - EP US); **G01B 11/272** (2013.01 - EP US)

Citation (search report)  
See references of WO 2006042504A1

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)  
**DE 102004050426 A1 20060420**; **DE 102004050426 B4 20100520**; CA 2582062 A1 20060427; CA 2582062 C 20140617;  
EP 1809445 A1 20070725; US 2008084566 A1 20080410; US 7649620 B2 20100119; WO 2006042504 A1 20060427

DOCDB simple family (application)  
**DE 102004050426 A 20041015**; CA 2582062 A 20051007; DE 2005001793 W 20051007; EP 05799201 A 20051007; US 66514305 A 20051007