

Title (en)  
SYSTEM FOR DETECTING AN ABSOLUTE ANGULAR POSITION BY DIFFERENTIAL COMPARISON, ROLLING BEARING AND ROTARY MACHINE

Title (de)  
SYSTEM ZUR ERKENNUNG EINER ABSOLUTEN WINKELPOSITION MITTELS DIFFERENZIALVERGLEICHS, WÄLZLAGER UND ROTATIONSMASCHINE

Title (fr)  
SYSTEME DE DETECTION DE POSITION ANGULAIRE ABSOLUE PAR COMPARAISON DIFFERENTIELLE, ROULEMENT ET MACHINE TOURNANTE

Publication  
**EP 1969319 A2 20080917 (FR)**

Application  
**EP 07712628 A 20070103**

Priority  

- FR 2007000001 W 20070103
- FR 0600120 A 20060106

Abstract (en)  
[origin: WO2007077389A2] System for detecting the angular position of a rotating element with respect to a non-rotating element, comprising an annular encoder 4 provided with a number P of poles greater than or equal to 2, intended to be fixed to one of the rotating or non-rotating elements, and a number N of sensors, with N greater than or equal to 3, which are able to receive a signal originating from the encoder and are mounted on the other of the non-rotating or rotating elements facing the said rotating or non-rotating element and angularly distributed, and at least one subtraction module capable of processing at least two output signals from the sensors in order to generate a differential signal.

IPC 8 full level  
**G01D 5/14** (2006.01)

CPC (source: EP US)  
**G01D 5/145** (2013.01 - EP US)

Citation (search report)  
See references of WO 2007077389A2

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 2007077389 A2 20070712; WO 2007077389 A3 20071206**; CN 101400971 A 20090401; EP 1969319 A2 20080917; FR 2896036 A1 20070713; FR 2896036 B1 20081107; JP 2009522567 A 20090611; US 2009219016 A1 20090903

DOCDB simple family (application)  
**FR 2007000001 W 20070103**; CN 200780008273 A 20070103; EP 07712628 A 20070103; FR 0600120 A 20060106; JP 2008549038 A 20070103; US 8742507 A 20070703