

Title (en)

ROTARY PLATFORM SUPPORT AND ALIGNMENT MECHANISM

Title (de)

ROTATIONSPLATTFORMTRÄGER UND AUSRICHTUNGSMECHANISMUS

Title (fr)

SUPPORT DE PLATEFORME ROTATIVE ET MECANISME D'ALIGNEMENT

Publication

EP 2003957 A2 20081224 (EN)

Application

EP 07747707 A 20070412

Priority

- NZ 2007000079 W 20070412
- NZ 54656506 A 20060412

Abstract (en)

[origin: WO2007117162A2] A support system for a rotary platform (1) provided with an annular support track (19) attached to a lower surface and/or peripheral edge of the platform, said support system including a plurality of support stations (7) spatially disposed below the platform to engage with the support track (20), said support stations (7) including: individual primary support stations provided with at least one support roller (11) rotatable about a substantially horizontal axis to engage in use with a lower surface of the support track to enable horizontal rotation of the platform (1) and bear the platform's weight; individual lateral support stations (13) provided with at least one location roller (12) rotatable about a substantially vertical axis to engage in use with at least one substantially vertical portion of the support track, such that the lateral support station (13) rollers collectively provide a centering force to maintain the position of the platform (1) periphery within defined limits during platform rotation.

IPC 8 full level

A01K 1/12 (2006.01)

CPC (source: EP)

A01K 1/126 (2013.01)

Citation (search report)

See references of WO 2007117162A2

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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2007117162 A2 20071018; WO 2007117162 A3 20071122; EP 2003957 A2 20081224; NZ 546565 A 20080229

DOCDB simple family (application)

NZ 2007000079 W 20070412; EP 07747707 A 20070412; NZ 54656506 A 20060412