

Title (en)
CRANK SPINDLE ASSEMBLY AND METHOD OF FABRICATION

Title (de)
KURBELSPINDELANORDNUNG UND VERFAHREN ZU HERSTELLUNG

Title (fr)
ENSEMBLE AXE DE PÉDALIER ET PROCÉDÉ DE FABRICATION

Publication
EP 2969729 A4 20170118 (EN)

Application
EP 14779611 A 20140304

Priority
• US 201313795075 A 20130312
• US 2014020271 W 20140304

Abstract (en)
[origin: WO2014164060A1] A crank assembly for a bicycle is provided. The crank assembly includes an integrally formed unitary body. The body includes an arm first portion and an arm second portion extending on an angle from one end of the arm first portion. An enclosed cavity is disposed between the arm first portion and the arm second portion. The cavity has a first width at a first end in the arm first portion and a second width at an end of the arm second portion, the cavity and the arm first portion defining a first wall thickness in a first direction, the cavity and the arm second portion defining a second wall thickness in a second direction. The first wall thickness and the second wall thickness are substantially equal. A boss portion extends from an end of the arm second portion opposite the first arm portion.

IPC 8 full level
B62M 3/00 (2006.01); **B21D 53/86** (2006.01); **B21K 23/00** (2006.01)

CPC (source: EP)
B21D 53/86 (2013.01); **B21K 23/00** (2013.01); **B62M 3/00** (2013.01)

Citation (search report)
• [X1] EP 1120336 A2 20010801 - CANNONDALE CORP [US]
• [X1] US 6314834 B1 20011113 - SMITH GARRETT A [US], et al
• [X1] EP 0850827 A2 19980701 - SHIMANO KK [JP]
• [X1] CN 1463881 A 20031231 - JINHENG VEHICLE CO LTD [CN]
• See references of WO 2014164060A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2014164060 A1 20141009; CN 105143031 A 20151209; EP 2969729 A1 20160120; EP 2969729 A4 20170118

DOCDB simple family (application)
US 2014020271 W 20140304; CN 201480023652 A 20140304; EP 14779611 A 20140304