

Title (en)
Freewheel structure

Title (de)
Freirad-Struktur

Title (fr)
Structure de roue libre

Publication
EP 2659936 A1 20131106 (EN)

Application
EP 12166800 A 20120504

Priority
EP 12166800 A 20120504

Abstract (en)
A freewheel structure includes a wheel frame and at least one weight block. The wheel frame has a central axle portion and a flange portion around an outer edge thereof. The axle portion is for insertion of an axle member. The weight block is selectively located between the axle portion and the flange portion, so that the weight block has a certain distance relative to axle portion. The freewheel will generate a greater centrifugal force when it is rotated at a high speed. The inertial effect of the present invention can be enhanced when the rotational speed is increasing progressively, so the curve of inertial weight is elongated obviously. The whole weight of the freewheel is reduced effectively.

IPC 8 full level
A63B 21/22 (2006.01)

CPC (source: EP)
A63B 21/225 (2013.01)

Citation (search report)

- [X] US 3100639 A 19630813 - BONEWITZ EVERETT D
- [X] US 2007179026 A1 20070802 - WU CHANG M [TW]
- [A] US 5163888 A 19921117 - STEARNS KENNETH W [US]

Cited by
IT201700048638A1; CN108479000A; WO2018203311A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2659936 A1 20131106

DOCDB simple family (application)
EP 12166800 A 20120504