

Title (en)  
BICYCLE SIMULATOR

Title (de)  
FAHRRADSIMULATOR

Title (fr)  
SIMULATEUR DE BICYCLETTE

Publication  
**EP 3808417 A4 20220525 (EN)**

Application  
**EP 19818557 A 20190415**

Priority

- KR 20180068395 A 20180614
- KR 20180082338 A 20180716
- KR 20180119322 A 20181005
- KR 20190003287 A 20190110
- KR 2019004518 W 20190415

Abstract (en)  
[origin: EP3808417A1] Provided is a bicycle simulator that is arranged by arranging a front wheel and a rear wheel of a bicycle on the same plane. The bicycle simulator includes: a front roller that supports a front wheel of a bicycle that is mounted, and rotates together with a rotation of the front wheel; and a rear roller that supports a rear wheel of the bicycle, and rotates together with a rotation of the rear wheel, wherein a first support point at which the front roller supports the front wheel and a second support point at which the rear roller supports the rear wheel are arranged on the same plane. Thus, not only a substantially flat ride path but also various ride modes in which an inclination angle may be adjusted according to a ride mode may be implemented, and a dynamic experience extremely similar to the actual ride situation may be enjoyed.

IPC 8 full level  
**A63B 69/16** (2006.01); **A63B 22/00** (2006.01); **A63B 22/06** (2006.01); **A63B 24/00** (2006.01); **A63B 71/00** (2006.01); **A63B 71/06** (2006.01)

CPC (source: EP KR US)  
**A63B 22/0023** (2013.01 - EP); **A63B 22/0605** (2013.01 - KR US); **A63B 24/0062** (2013.01 - US); **A63B 24/0087** (2013.01 - KR US); **A63B 69/16** (2013.01 - EP); **A63B 71/0622** (2013.01 - EP US); **A63B 24/0087** (2013.01 - EP); **A63B 2024/009** (2013.01 - EP US); **A63B 2024/0093** (2013.01 - US); **A63B 2069/166** (2013.01 - EP); **A63B 2069/168** (2013.01 - EP); **A63B 2071/0027** (2013.01 - EP); **A63B 2071/0638** (2013.01 - EP); **A63B 2071/0644** (2013.01 - EP US); **A63B 2071/0666** (2013.01 - EP); **A63B 2071/068** (2013.01 - EP); **A63B 2220/17** (2013.01 - EP); **A63B 2220/30** (2013.01 - EP US); **A63B 2220/34** (2013.01 - EP); **A63B 2220/35** (2013.01 - KR); **A63B 2220/76** (2013.01 - EP); **A63B 2220/80** (2013.01 - EP); **A63B 2220/805** (2013.01 - EP); **A63B 2225/09** (2013.01 - EP); **A63B 2225/20** (2013.01 - EP); **A63B 2225/50** (2013.01 - EP); **A63B 2225/74** (2020.08 - EP)

Citation (search report)

- [XAI] CN 2411031 Y 20001220 - DING HUI SHENG [CN]
- [X] JP H02136674 U 19901114
- [X] CN 206823111 U 20180102 - NANYA INSTITUTE OF TECH
- See references of WO 2019240366A1

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)  
**EP 3808417 A1 20210421**; **EP 3808417 A4 20220525**; KR 102485432 B1 20230106; KR 20200097668 A 20200819;  
WO 2019240366 A1 20191219

DOCDB simple family (application)  
**EP 19818557 A 20190415**; KR 2019004518 W 20190415; KR 20200098117 A 20200805