

Title (en)

DEVICE FOR RETURNING BALLS IN A PLAYING ARRANGEMENT OF A BALL SPORT

Title (de)

VORRICHTUNG ZUM RÜCKTRANSPORT VON BÄLLEN BEI EINER SPIELANORDNUNG EINER BALLSPORTART

Title (fr)

DISPOSITIF POUR ASSURER LE RETOUR DE BALLES D'UN SYSTÈME DE JEU DE TYPE SPORT DE BALLE

Publication

EP 3471844 A1 20190424 (DE)

Application

EP 17730490 A 20170616

Priority

- DE 202016103157 U 20160615
- EP 2017064825 W 20170616

Abstract (en)

[origin: WO2017216370A1] The invention relates to a device (1) for returning balls (24) in a playing arrangement (20) of a ball sport, comprising a goal wall (21), wherein a space (22) is provided in front of the goal wall (21) and a space (23) is provided behind the goal wall (21), wherein an inclined plane (3) is provided in the space (23) behind the goal wall (21), wherein the inclined plane (3) leads to a receiving position (4) of a motor-actuated lifting apparatus (5) for one ball (24) at a time, and comprising a dispensing mechanism, which, in a dispensing position of the lifting apparatus (5), acts on the ball (24) in such a way that the ball (24) can be dispensed into the space (22) in front of the goal wall (21). The invention further relates to a motor-actuated lifting apparatus (5) for one ball (24) at a time for use in a device (1) for returning balls (24) and to a method for returning balls (24).

IPC 8 full level

A63B 47/00 (2006.01); **A63B 63/00** (2006.01)

CPC (source: EP US)

A63B 47/002 (2013.01 - EP US); **A63B 47/025** (2013.01 - EP US); **A63B 63/004** (2013.01 - EP US); **A63B 2063/001** (2013.01 - EP US);
A63B 2220/13 (2013.01 - EP US); **A63B 2220/801** (2013.01 - EP US); **A63B 2220/805** (2013.01 - EP US)

Citation (search report)

See references of WO 2017216370A1

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)

DE 202016103157 U1 20160624; CN 109310915 A 20190205; EP 3257558 A1 20171220; EP 3471844 A1 20190424;
US 2019262667 A1 20190829; WO 2017216370 A1 20171221

DOCDB simple family (application)

DE 202016103157 U 20160615; CN 201780037214 A 20170616; EP 17176460 A 20170616; EP 17730490 A 20170616;
EP 2017064825 W 20170616; US 201716310573 A 20170616