

Title (en)

METALLIC STRUCTURE OR FRAME FOR THE ACTIVATION OF BASKETBALL BACKBOARDS AND THE LIKE

Title (de)

METALLISCHE STRUKTUR ODER RAHMEN FÜR DIE AKTIVIERUNG VON BASKETBALL-RÜCKSEITEN UND ÄHNLICHEN

Title (fr)

STRUCTURE OU CADRE MÉTALLIQUE POUR L'ACTIVATION DE PANNEAUX DE BASKETBALL ET SIMILAIRES

Publication

**EP 3824977 A1 20210526 (EN)**

Application

**EP 20206150 A 20201106**

Priority

IT 201900021969 A 20191122

Abstract (en)

Described is a metal structure or frame (1) for the activation of basketball backboards or the like (17), comprising a base (11), two front wheels (19a) and two rear wheels (19b) connected to a horizontal metal beam (21). The structure (1) includes a hydraulic-electric system (100), comprises an hydraulic pump with electric control unit (30) which is connected, by means of a closed pipe (31), to two hydraulic pistons (14, 20), of which a first piston (14) is designed for opening or lifting and closing or lowering the structure (1) and a second piston (20) is designed for lifting the front and rear wheels (19a, 19b) to position the structure (1) on a playing surface (2). The hydraulic-electric system (100) also includes two end of stroke sensors (32, 33), placed on the closed pipe (31) and designed to control the activities of the hydraulic pistons (14, 20), and an electronic device (40), designed to manage the hydraulic-electric system (100) and to control the vertical stability of the structure (1).

IPC 8 full level

**A63B 63/08** (2006.01); **A63B 71/00** (2006.01); **A63B 71/02** (2006.01); **A63B 71/06** (2006.01)

CPC (source: EP)

**A63B 63/083** (2013.01); **A63B 71/0054** (2013.01); **A63B 2071/025** (2013.01); **A63B 2071/0627** (2013.01); **A63B 2210/56** (2013.01); **A63B 2220/34** (2013.01); **A63B 2220/801** (2013.01); **A63B 2220/833** (2013.01); **A63B 2225/093** (2013.01)

Citation (applicant)

- IT 2003901157567 A
- IT 2005901338485 A

Citation (search report)

- [YA] CN 205994988 U 20170308 - HENGTAI SPORTS EQUIPMENT MFT CO LTD
- [YA] CN 206896744 U 20180119 - XINJIANG KANGCAIEN INDUSTRIAL TECH CO LTD
- [A] KR 20130032449 A 20130402 - DONGHWA ATHLETIC CORP [KR]
- [A] CN 208031798 U 20181102 - UNIV SUZHOU
- [A] CN 108355330 A 20180803 - JIANGSU JINLING SPORTS EQUIPMENT CO LTD

Designated contracting state (EPC)

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Designated extension state (EPC)

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