

Title (en)

BALL-COLLECTING DEVICE WITH BALL-COLLECTING MODULE

Title (de)

BALLAUFSAMMLUNGSVORRICHTUNG MIT BALLAUFSAMMLUNGSMODUL

Title (fr)

DISPOSITIF DE COLLECTE DE BALLES AVEC MODULE DE COLLECTE DE BALLES

Publication

EP 3187232 A1 20170705 (EN)

Application

EP 16206202 A 20161222

Priority

TW 104144807 A 20151231

Abstract (en)

A ball-collecting device with ball-collecting module that includes a collecting component (10) and one or more collecting module (20) is disclosed. The collecting component has a compartment for accommodating one or more sports ball in which sports balls can be collected into the compartment by rotating the collecting component. The ball-collecting module is pin-jointed on the collecting component, thus forming an angle between the collecting component and its rotation axis (X), wherein the angle is smaller than or equal to 90 degrees. A constant distance is maintained between the ball-collecting module and the flat surface when the device of the present invention collects the sports balls.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [XY] DE 3934490 A1 19910418 - GAECHTER ROBERT E [CH]
- [Y] EP 2145655 A1 20100120 - UNIV FAR EAST [TW]
- [Y] US 4593519 A 19860610 - KIMBALL JEROME W [US]
- [XY] DE 19715886 A1 19971204 - PIROTH ANTON [DE], et al
- [XY] DE 3921915 A1 19910117 - PIROTH ANTON [DE]
- [XY] DE 10256313 A1 20040715 - LANG RUDOLF [DE]
- [X] JP H067760 U 19940201

Cited by

CN114748851A

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BA ME

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