

Title (en)

An apparatus for dispensing of spherical objects.

Title (de)

Ausgabeeinrichtung für Kugelförmige Gegenstände.

Title (fr)

Appareil pour la distribution d'objets sphériques.

Publication

EP 0328855 A1 19890823 (EN)

Application

EP 88850056 A 19880219

Priority

SE 8604451 A 19861020

Abstract (en)

The disclosure relates to an apparatus for dispensing a number of substantially spherical objects (4), for example golf balls, the apparatus including a magazine for the spherical objects (4), the floor of the magazine sloping in relation to the horizontal plane and displaying a number of members (1, 2, 3) extending in the direction of slope and being in parallel with one another, the members forming therebetween a number of paths for a plurality of mutually subsequent objects (4), the paths discharging in a pivotal portion (14) which extends along the edge formed by the lower ends of the members (1, 2, 3) and which is in the form of a channel-shaped beam whose channel is turnable towards the spherical objects on the paths for receiving the spherical objects, and the pivotal shaft (15) of the beam (14) being located in such relation to the ends of the mutually parallel members forming the paths for the objects that, on replenishment pivoting of the beam (14) for turning the channel of the beam (14) towards the spherical objects and receiving the spherical objects, the upper shank of the beam comes into contact with the most proximally located objects (4) and urges these upwardly along the paths before they are released into the channel turned to face them.

IPC 1-7

G07F 11/44; **G07F 11/24**

IPC 8 full level

A63B 47/00 (2006.01); **A63B 47/04** (2006.01); **G07F 11/24** (2006.01); **G07F 11/44** (2006.01)

CPC (source: EP)

A63B 47/002 (2013.01); **A63B 47/04** (2013.01); **G07F 11/24** (2013.01); **G07F 11/44** (2013.01); **A63B 2047/046** (2013.01)

Citation (search report)

- [YD] GB 2131404 A 19840620 - JORDAN KNEZ MASKINVERKSTADEN
- [Y] GB 322088 A 19291128 - DAVID PETRIE, et al
- [A] US 3946847 A 19760330 - BOCK OSCAR
- [A] EP 0167470 A1 19860108 - TUCOM PAUL
- [A] US 4054197 A 19771018 - BOCK OSCAR
- [A] DE 1805800 A1 19700625 - TN VERKAUFSAUTOMATEN GMBH
- [A] US 3248008 A 19660426 - ERNEST MEIERJOHAN

Cited by

US11440055B2; US5772778A; WO9509678A1; WO2008016322A1

Designated contracting state (EPC)

DE ES FR GB IT NL

DOCDB simple family (publication)

EP 0328855 A1 19890823; **EP 0328855 B1 19940504**; DE 3889445 D1 19940609; DE 3889445 T2 19941201; ES 2052777 T3 19940716; SE 8604451 D0 19861020; SE 8604451 L 19880421

DOCDB simple family (application)

EP 88850056 A 19880219; DE 3889445 T 19880219; ES 88850056 T 19880219; SE 8604451 A 19861020