

Title (en)

Machine for the random drawing of balls.

Title (de)

Maschine zum auf den Zufall beruhenden Ziehen von Kugeln.

Title (fr)

Machine pour le tirage aléatoire de boules.

Publication

EP 0348281 B1 19931103 (FR)

Application

EP 89401697 A 19890616

Priority

- FR 8808493 A 19880624
- FR 8905866 A 19890503

Abstract (en)

[origin: US4961578A] A machine for the random drawing of balls being agitated by aa current of air. The machine includes a transparent receptacle in which the balls are placed, an annular space placed below and communicating with the receptacle, and a plurality of orifices defined by flaps positioned within the annular space. The flaps are capable of at least partially sealing the annular space.

IPC 1-7

G07C 15/00

IPC 8 full level

A63F 7/04 (2006.01); **G07C 15/00** (2006.01); **A63F 9/00** (2006.01)

CPC (source: EP US)

A63F 7/048 (2013.01 - EP US); **G07C 15/001** (2013.01 - EP US); **A63F 2009/0087** (2013.01 - EP US)

Cited by

EP0917111A1; FR2771204A1; WO0003360A1; FR2762117A1; EP2017797A3; FR2699309A1; FR2731539A1; US5312103A; US6145836A; WO0195259A1

Designated contracting state (EPC)

AT BE CH DE ES GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0348281 A1 19891227; **EP 0348281 B1 19931103**; DE 68910392 D1 19931209; DE 68910392 T2 19940511; ES 2045492 T3 19940116; FR 2646730 A2 19901109; FR 2646730 B2 19930219; US 4961578 A 19901009

DOCDB simple family (application)

EP 89401697 A 19890616; DE 68910392 T 19890616; ES 89401697 T 19890616; FR 8905866 A 19890503; US 36704089 A 19890616