

Title (en)
SPHERE PUZZLE

Title (de)
KUGELPUZZLE

Title (fr)
PUZZLE SPHÉRIQUE

Publication
EP 3347107 A1 20180718 (EN)

Application
EP 16806276 A 20160905

Priority
• GR 20150100391 A 20150908
• GR 2016000042 W 20160905

Abstract (en)
[origin: WO2017042596A1] A Sphere puzzle having a plurality of sliding blocks (7), and a series of protrusions (14), (24) and (34), and rails (41) and (51). The sliding blocks (7) move in a double row along rings (1), (2) and (3) on tracks (11), (21) and (31) through the necks (16), (26) and (36) and under the bottom surfaces of rails (42) and (52) and stay fixed in their correct position with the help of the sliding balls (74) on dents (19), (29) and (39) of the rings (1), (2) and (3), and finally have a missing block (7) from the entire array which enables movements with a large number of combinations, in order to complete the required designs on the sphere surface. The aforementioned Sphere puzzle can be assembled by the player using the basic members (1), (21), (31), (4), (5), (6) and (7).

IPC 8 full level
A63F 9/08 (2006.01)

CPC (source: EP GR US)
A63F 9/00 (2013.01 - GR); **A63F 9/0811** (2013.01 - GR); **A63F 9/083** (2013.01 - EP US); **A63F 9/0857** (2013.01 - EP GR US);
A63F 9/0861 (2013.01 - EP US); **A63F 9/12** (2013.01 - GR); **A63F 9/1208** (2013.01 - US); **A63F 2009/0846** (2013.01 - US)

Citation (search report)
See references of WO 2017042596A1

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)
WO 2017042596 A1 20170316; CA 2996878 A1 20170316; CN 108025208 A 20180511; EP 3347107 A1 20180718; GR 1008896 B 20161118;
HK 1248638 A1 20181019; US 2018339222 A1 20181129

DOCDB simple family (application)
GR 2016000042 W 20160905; CA 2996878 A 20160905; CN 201680052054 A 20160905; EP 16806276 A 20160905;
GR 20150100391 A 20150908; HK 18108310 A 20180628; US 201615756007 A 20160905