Title (en)

TWISTING BALL DISPLAYS INCORPORATING SEGMENTED POLYCHROMAL BALLS

Title (de)

DREHBALLANZEIGE MIT SEGMENTIERTEN MEHRFARBIGEN BALLEN

Title (fr)

MOTIFS SUR BALLES DEFORMABLES FAISANT APPEL A DES BALLES POLYCHROMES SEGMENTEES

Publication

EP 0868714 A2 19981007 (EN)

Application

EP 97928736 A 19961127

Priority

- US 9709297 W 19961127
- US 57277595 A 19951215
- US 57277795 A 19951215
- US 57277895 A 19951215
- US 57277995 A 19951215
- US 57278095 A 19951215
- US 57281995 A 19951215
- US 57282095 A 19951215
- US 57392295 A 19951215

Abstract (en)

[origin: WO9733267A2] A spheroidal ball comprising a plurality of segments arrayed substantially parallel to one another, each segment being adjacent to at least one other segment and to no more than two other segments, adjacent segments being adjoined to one another at substantially planar interfaces, the plurality of segments including a first segment having a first thickness and a first optical modulation characteristic, a second segment having a second thickness and a second optical modulation characteristic, and a third segment having a thickness different from at least one of the first and second thicknesses and an optical modulation characteristic different from at least one of the first and second optical modulation characteristics, the ball having an anisotropy for providing an electrical dipole moment, the electrical dipole moment rendering the ball electrically responsive such that when the ball is rotatably disposed in a nonoscillating electric field while the electrical dipole moment of the ball is provided, the ball tends to rotate to an orientation in which the electrical dipole moment aligns with the field.

IPC 1-7

G09F 9/37

IPC 8 full level

G02F 1/167 (2006.01); **G02B 26/02** (2006.01); **G09F 9/37** (2006.01)

CPC (source: EP)

G02B 26/026 (2013.01); **G09F 9/372** (2013.01)

Citation (search report)

See references of WO 9733267A2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

WO 9733267 A2 19970912; **WO 9733267 A3 19980618**; AU 3291797 A 19970922; BR 9612451 A 19990713; CA 2240443 A1 19970912; CA 2240443 C 20050712; CN 1153181 C 20040609; CN 1207193 A 19990203; EP 0868714 A2 19981007; JP 2002504236 A 20020205; JP 3878216 B2 20070207; MX 9804810 A 19981031

DOCDB simple family (application)

US 9709297 W 19961127; AU 3291797 A 19961127; BR 9612451 A 19961127; CA 2240443 A 19961127; CN 97191596 A 19961127; EP 97928736 A 19961127; JP 52551897 A 19961127; MX 9804810 A 19980615