

12 **EUROPEAN PATENT APPLICATION**

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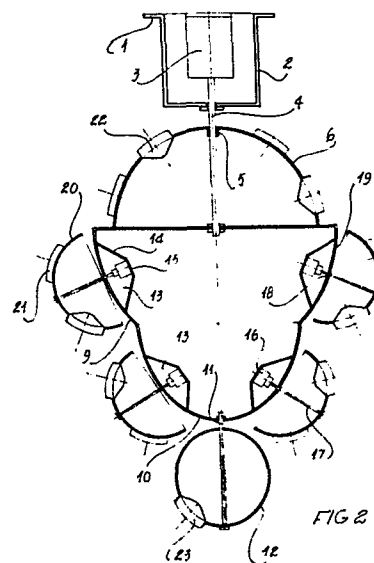
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54 Rotating supporting assembly for differentiated colour spotlights and domes having independent movements for scenographies.

57 The invention foresees an envelope, on a rotating shaft, with an upper hemispheric cap (6) having a lower counter-posed larger one (9) characterized by a further lower central cap (10) bearing a smaller diameter sphere (12) at its end. The top hemisphere (6) and the underlying sphere (12) are foreseen with a set of stationary spotlights (22, 23) fitted on it.

The remaining intermediate part employs single driving organs: these ones fitted on the relevant shafts passing in outer reticle sockets on the envelope structure support singularly rotating caps equipped with analogous spotlights and fitted on two orders.



- I -

"Rotating supporting assembly for differentiated colour spotlights and domes having independent movements for scenographies."

The invention refers to a device permitting luminous scenographies made by light ray pencils in movement with differentiated colouring and positioning generated by contrivances fitted on a central rotating assembly and on parts that are rotating on it with independent motions. The device to be particularly employed in night clubs permits full field dynamic scenographies determined by ray pencils that are interfering with one another in a different way generating deformed effects of projection on the wall and bodies in general.

Spotlights are at the present used that can be set in both stationary and rotating positions. These devices permit limited effects and, in any case, they do not allow a differentiated dynamism of the light ray pencils. The device foresees an envelope in light sheet or other particularly light material supported on a motor driven shaft contained in a differently flanged base to be supported on a plane, wall or ceiling.

The envelope is structured on a inside frame and is characterized in a longitudinal way by a top hemispheric cap having in a lower counterposition another larger hemisphere with a bottom protuberance consisting of another smaller one holding a sphere at its end with a still smaller diameter. The upper hemisphere and the underlying end sphere are foreseen with a fitted set of stationary spotlights. The remaining intermediate part, inside and centrally, employs single driving organs on three knuckle arms brackets to the envelope ; these driving organs are

supporting singularly rotating caps equipped with analogous spotlights on two orders, on the relevant shafts stabilized to rotation only on socket borne by frame reticles.

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An execution version is illustrated by the drawings of Table 1, where Fig. 1 is the perspective front view of the device supported on the rotating assembly fitted on the ceiling. Fig. 2 is the longitudinal section of the device showing the turned assembly fitted in the box part supporting the envelope on the shaft centrally to the frame, permitting the rotating support on the longitudinal axle. On the top the hemisphere can be noted bearing the spotlights which are stationary like the sphere supported on the bottom. On the intermediate part, the two sets of the caps can be noted which are separately supported on the driving organs borne by bracket radials. Fig. 3 is the view front above of the frame structure of the intermediate part showing the three stabilization arms with the central bore for fitting the motor shaft. On fixing flanges 1, box 2 is foreseen bearing motor assembly 3, the shaft of which 4 passes into socket 5 of the upper hemisphere 6 of the envelope and in bore 7 of the frame structure 8, with 45 three arms, supporting intermediate part with top spherical sector 9 and lower protuberance 10 holding sphere 12 on support 11. The intermediate envelope is foreseen with two opening sets 13 with frame bracket 14 supporting motors 16 on bases 15; the motor shafts 17 pass in socket 18 on frame 19 and are supporting caps 20 bearing spotlights 21. The envelope part 50 6 and sphere 12 are foreseen, with spotlights assemblies 22 and 23 fitted on. In practice, the execution particulars, such as the spotlights settling and that of the motor assemblies, their number, as well as the employ material may be different.

CLAIMS :

I) "Rotating supporting assembly for differentiated colour sport
lights and domes having independent movements for scenographies,
characterized by the fact that it is particularly employed in
night clubs permits full field dynamic scenographies determined
by ray pencils that are interfering with one another in a different
way generating deformed effects of projection on the walls
and bodies in general.

Sportlights are at present used that can be set in both stationary
and rotating positions. These devices permit limited effects
and, in any case, they do not allow a differentiated dynamism of
the light rays pencils.

2) Rotating supporting assembly for differentiated colour sport
lights and domes having independent movements for scenographies,
according to the previous claim, characterized by the fact that
the device foresees an envelope in light sheet or other particularly
light material supported on a motor driven shaft contained
in a differently flanged base to be supported on a plane, wall
or ceiling.

The envelope is structured on an inside frame and is characterized
in a longitudinal way by a top hemispheric cap having in a
lower counterposition another larger hemisphere with a bottom
protuberance consisting of another smaller one holding a sphere
at its end with a still smaller diameter. The upper hemisphere
and the underlying end sphere are foreseen with a fitted set of
stationary spotlights. The remaining intermediate part, inside
and centrally, employs single driving organs on three knuckle
arms brackets to the envelope; these driving organs are supporting
singularly rotating caps equipped with analogous spotlights
on two orders.

3) Rotating supporting assembly for differentiated colour sport-
lights and domes having independent movements for scenographies,
according to the previous claim, characterized by the fact that,
35 on fixing flanges I, box 2 is foreseen bearing motor assembly 3,
the shaft of which 4 passes into socket 5 of the upper hemisphere
6 of the envelope and in bore 7 of the frame structure 8, with
three arms, supporting the intermediate part with top spherical
sector 9 and lower protuberance I0 holding sphere I2 on support
40 II. The intermediate envelope is foreseen with two opening sets I3
with frame brackets I4 supporting motors I6 on bases I5; the motor
shafts I7 pass in sockets I8 on frame I9 and are supporting caps
20 bearing spotlights 2I. The envelope part 6 and sphere I2 are
foreseen with spotlights assemblies 22 and 23 fitted on.

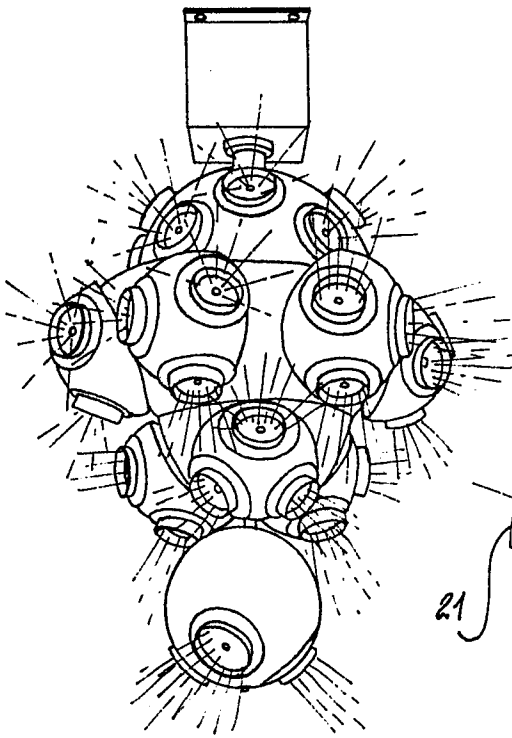


FIG. 1

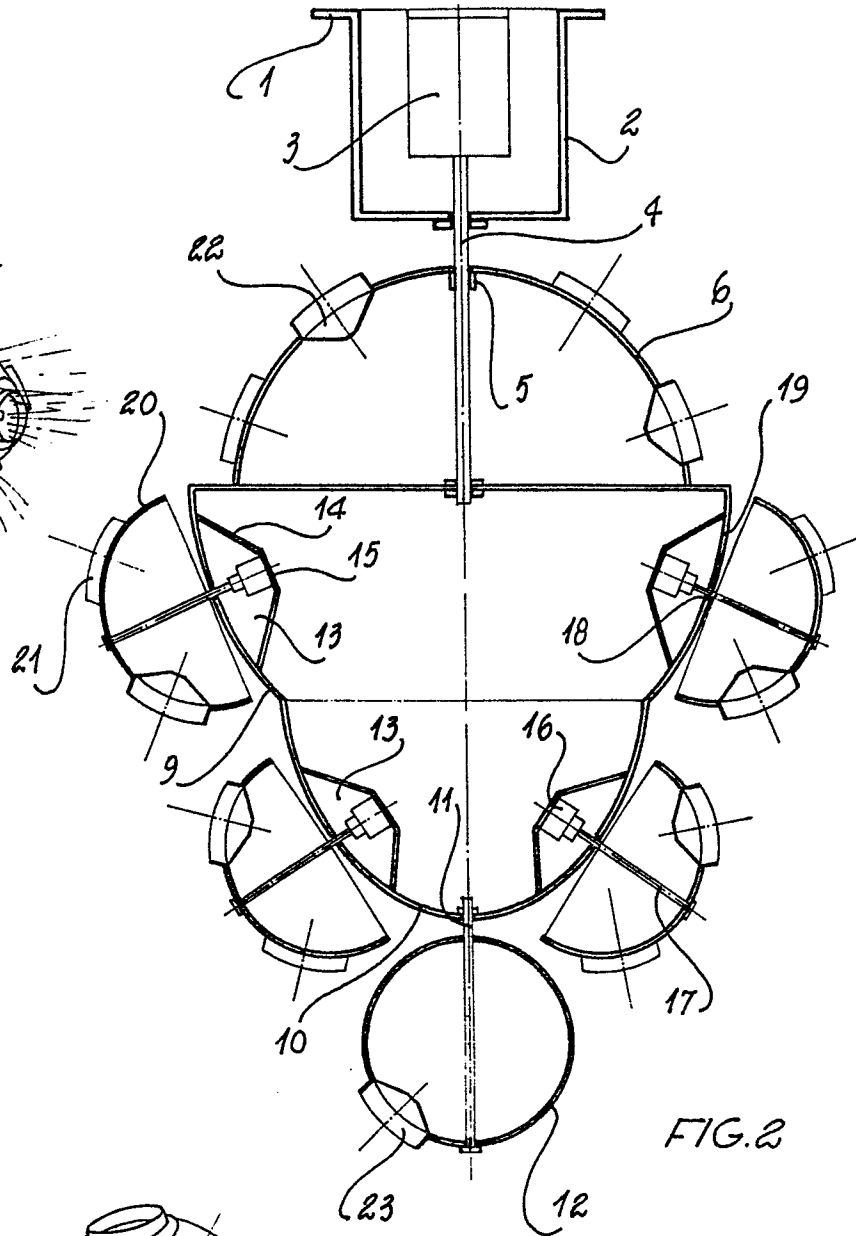


FIG. 2

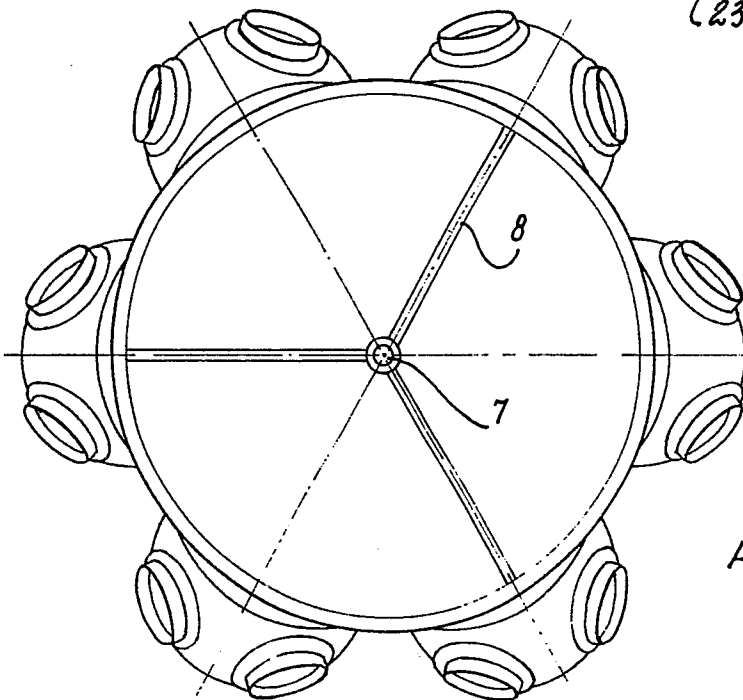


FIG. 3



European Patent
Office

EUROPEAN SEARCH REPORT

0082235

Application number

EP 81 83 0256

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)
X	US-A-3 760 176 (TROP) * Column 1, lines 30-65 *	1	F 21 P 3/00
A	GB-A-1 257 379 (BIRCH) * Figure 9 *	1	
A	US-A-3 751 654 (GREBINAR) * Figure 2 *	1	
A	US-A-1 904 901 (LAWRENCE) * Figure 1 *	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl. ³)
			F 21 P F 21 V A 63 J G 09 F B 44 C
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 20-08-1982	Examiner FOUCRAY R.B.F.
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			