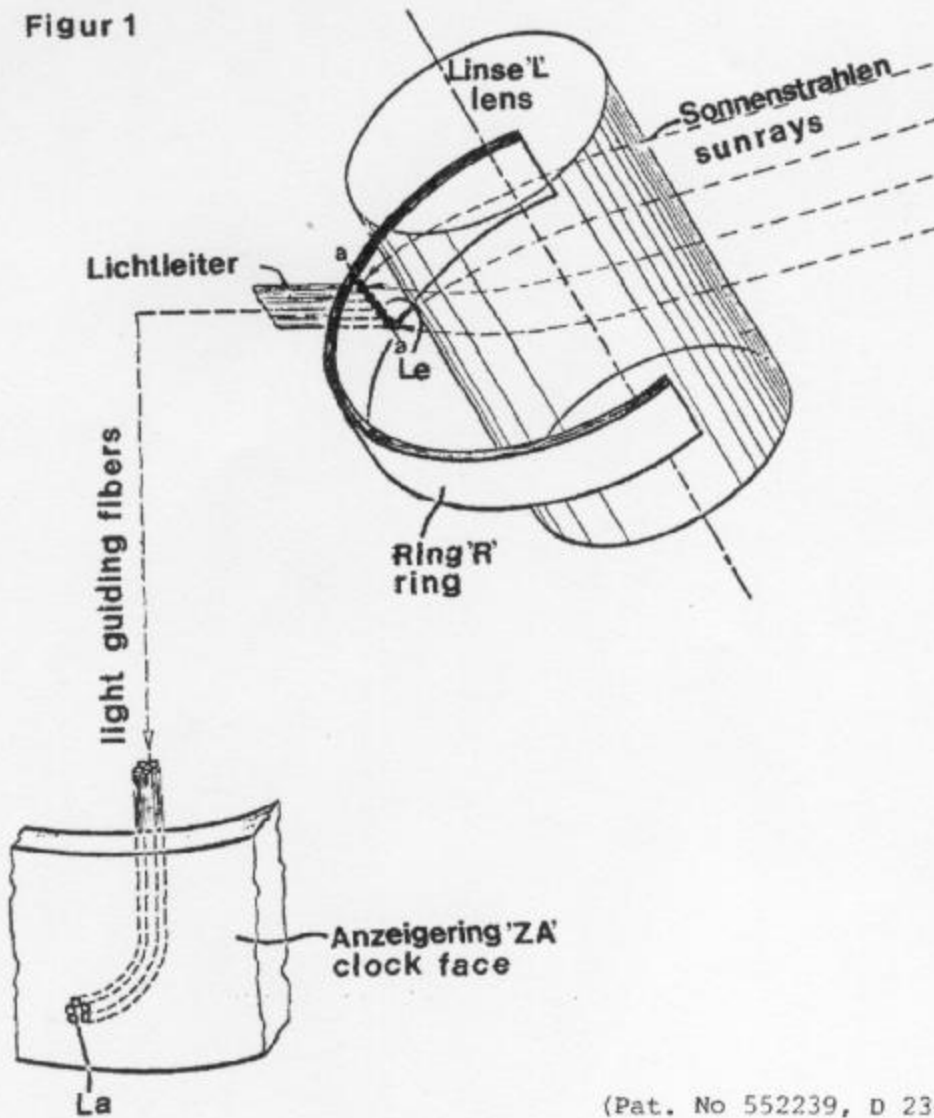


Technical description of the sun clock

Figur 1



(Pat. No 552239, D 23-4843-5-7)

Instead of the gnomon (a bar parallel to the earth rotation axis) which casts a shadow, an optical lens "L" is placed which collects the sunrays and brings them to focus on the half-ring "R". This lens, as illustrated above, is a cylindrical lens which focuses the sun as a bright line (a-a) on a half-ring "R" which encircles the lens. This line moves according to the movement of the sun. It thus indicates the time on the inner side of the half-ring. In this ring, a big number of light-guiding glass-fibres are embedded regularly all over its surface. Their front sides are turned towards the lens, acting as an input for the light.

Some of them are shown in above illustration in a moment when the sunrays bundled by the lens are touching some of the inputs of the light-guiding glass-fibres "Le".