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[Continued on next page]

(54) **Title:** HYDRODYNAMIC BEARING APPLIED ON A CONTACT INTERFACE OF A FLUID COMPRESSOR BASED ON
A SPIRAL TYPE MECHANISM

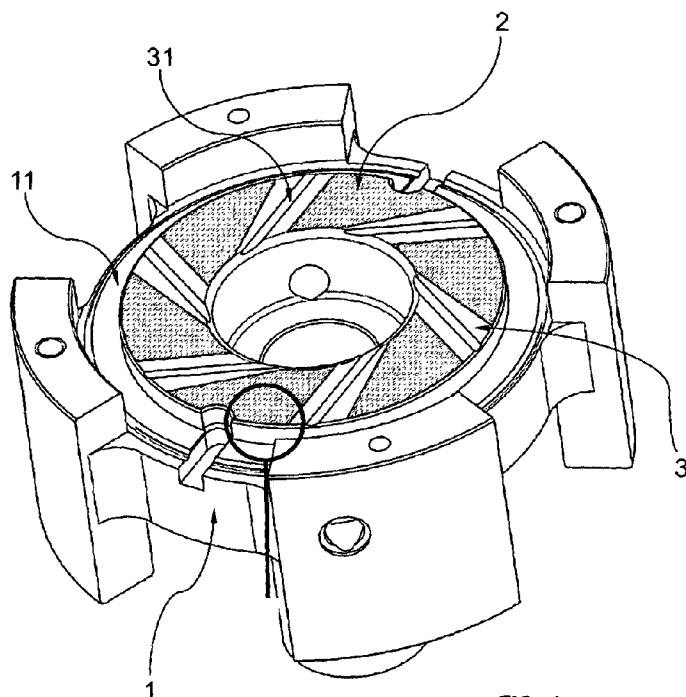


FIG. 1

(57) **Abstract:** This invention refers to a hy-
drodynamic bearing applied on a contact in-
terface of a fluid compressor based on a spiral
type mechanism. The aforesaid hydrodynamic
bearing is located in the contact interface
between the lower face of the orbiting whorl
and the upper face (11) of the block (1), and
comprises at least two regions (2) spaced apart
between regions (3). The regions (2) have sur-
faces comprised of a plurality of micro-cavit-
ies (21) and the regions (3) have substantially
smooth surfaces.



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