

ABSTRACT

**FRICTION PIECE IN A LUBRICATED MEDIUM WORKING AT
CONTACT PRESSURES HIGHER THAN 200MPA.**

5

Friction part in a lubricated medium working at contact pressures above 200 MPa and whereof the surface is textured and subjected, before or after texturizing, to a case hardening treatment for a tribological function, characterized in that the said surface is subjected to operations for producing
10 a periodic network of micrometric cavities having predefined shapes and sizes and whereof the period is adapted to the width of the contact surface in order to promote the passage to elastohydrodynamic lubrication regime.

REFERENCE : FIG 1