

CLAIMS

1. A pot bearing comprising a pot, an elastomeric pad accommodated in said pot, a plate resting on said elastomeric pad and protruding at least partially into the pot, and
5 at least an internal seal circumferentially surrounding the rim of the elastomeric pad to achieve a sliding sealing between the latter and the pot, said seal being made entirely or mainly from polytetrafluoroethylene, characterized in that said polytetrafluoroethylene is modified with the addition of perfluoropropylvinylether in a percentage ranging between 0,1 % and 0,3% by weight.
- 10 2. A pot bearing according to claim 1, characterized in that said polytetrafluoroethylene modified with the addition of perfluoropropylvinylether in a percentage ranging between 0,1 % and 0,3% by weight is also filled with carbon.
3. A pot bearing according to claim 2, characterized in that said polytetrafluoroethylene is filled with carbon in a percentage above 15% by weight,
15 preferably between 20% and 30%, even more preferably 25%.
4. A pot bearing according to any of the preceding claims, characterized in that the seal is obtained from a semi-finished product consisting in a band, preferably a band obtained through a drawing process.
5. A pot bearing according to any of the preceding claims, characterized in that
20 the seal is provided with a silicone grease, preferably a lithium-saponified methyl phenyl silicone oil.
6. A pot bearing according to any of the preceding claims, characterized in that it further includes an additional flat sliding element to allow translation movements between the superstructure and the substructure connected by the bearing.
- 25 7. A pot bearing according to claim 6, characterized in that the flat sliding element includes a plate made of polytetrafluoroethylene modified with the addition of perfluoropropylvinylether in a percentage ranging between 0,1 % and 0,3% by weight.
8. A pot bearing according to claim 6 or 7, characterized in that it further includes one or more sliding guides to allow the translation movements along a single
30 direction only.
9. A pot bearing according to any of the preceding claims, characterized in that

the elastomeric pad has an annular shape with two internal seals respectively arranged on an external peripheral rim and on an internal peripheral rim of the elastomeric pad.

10. A pot bearing according to any of the preceding claims, characterized in that the elastomeric pad has an oval shape.