CLAIMS

1. Lubricant supply system for supplying lubricant to a rolling bearing of a vacuum pump, the lubricant supply system comprising:
   a lubricant container body (154) defining a lubricant reservoir,
   the lubricant container body comprising an indentation or through-hole (12) to receive a lubricant transfer device (138) of a vacuum pump;
   wherein the indentation or through-hole (12) is at least partially surrounded by a collar (155) extending from said lubricant container body, the collar comprising a porous material in fluid communication with the lubricant container body and being configured to collect lubricant centrifuged or dripping from the lubricant transfer device; and
   at least one lubricant return member (158) extending from the lubricant container body and configured to return lubricant; wherein
   the collar (155) extends less from the lubricant container body than the lubricant return member.

2. Lubricant supply system according to claim 1, characterized in that the collar is completely surrounding the indentation or through-hole.

3. Lubricant supply system according to claim 1 or 2, characterized in that: the lubricant container body comprises a porous material.

4. Lubricant supply system according to any of claims 1 to 3, characterized in that the collar extends by more than 1mm and less than 20mm, preferably more than 1mm and less than 10mm and most preferably by more than 2mm and less than 6mm.

5. Lubricant supply system according to any of claims 1 to 4, characterized in that the lubricant supply system comprises a contactor to engage the lub-

ricant transfer device to transfer lubricant from the reservoir to the lubricant transfer device, wherein the contactor is optionally made of porous material extending radially into the indentation or through-hole and preferably made integral with the lubricant container body.

6. Lubricant supply system according to any of claims 1 to 5, characterized in that the lubricant container body has: (i) an annular shape and preferably the indentation or through-hole is arranged centrically; and/or (ii) a first major surface and an opposite second major surface, wherein the collar is extending from the first major surface and the indentation is defined in the first major surface or the through-hole is extending from the first major surface to the second major surface.

7. Lubricant supply system according to any of claims 1 to 6, characterized in that the collar is made of a flat element preferably by rolling up.

8. Lubricant supply system according to any of claims 1 to 7, characterized in that the collar is connected to a plurality of strip elements extending radially from the collar.

9. Lubricant supply system according to claim 8 when dependent from claims 6 and 7, wherein: (i) the strip elements are formed by partial incisions of the flat element preferably before rolling up the flat element; and/or (ii) the strip elements are connected to the first major surface to fluidly connect the collar with the lubricant container body.

10. Lubricant supply system according to any of claims 1 to 9, characterized by in that the lubricant supply system comprises a housing wherein the lubricant container body is at least partially enclosed by the housing and the collar is extending from the housing, optionally wherein: (i) the collar is connected to the housing by at least one web; and/or (ii) the housing comprises at least one ring element surrounding and supporting the collar, wherein the ring element is connected to the housing by at least one web,

and the lubricant container body optionally has a first major surface and an opposite second major surface and the ring element is arranged at the first major surface of the lubricant container body.

11. Lubricant supply system according to any preceding claim, wherein the collar is configured to return collected lubricant to the lubricant reservoir.

12. Vacuum pump, in particular a turbomolecular pump, comprising
a pump housing;
a rotor shaft disposed in the pump housing having an axis of rotation;
a rolling bearing supporting said rotor shaft;
a lubricant supply system according to any of claims 1 to 10; and
a lubricant transfer device mounted to the rotor shaft and extending into the indentation or through-hole of the lubricant supply system to receive lubricant from the lubricant supply system and to transfer the lubricant to the rolling bearing.

13. Vacuum pump according to claim 12, characterized in the collar is extending towards the rolling bearing.

14. Vacuum pump according to claim 12 or 13, characterized in that the collar is not in contact with the rolling bearing and/or not in contact with the lubricant transfer device.

15. Method for fabricating a lubricant supply system, according to claim 8, or any of claims 9 to 11 when dependent upon claim 8, with the steps of:
Providing a flat element;
Cutting the flat element to provide a plurality of partial incisions, wherein the uncut part of the flat element has a width corresponding to the height of the collar;
Providing a housing;
Rolling-up the flat element;

Inserting the rolled up flat element into the housing until the uncut-part extends from the housing to form a collar extending from the housing;

Bending the cut- parts of the flat element in a radial direction to form strip elements; and

Providing and inserting a lubricant container body into the housing.