



⚙️ **Title**
STAND FOR STUDY OF TRIBOCOROSION

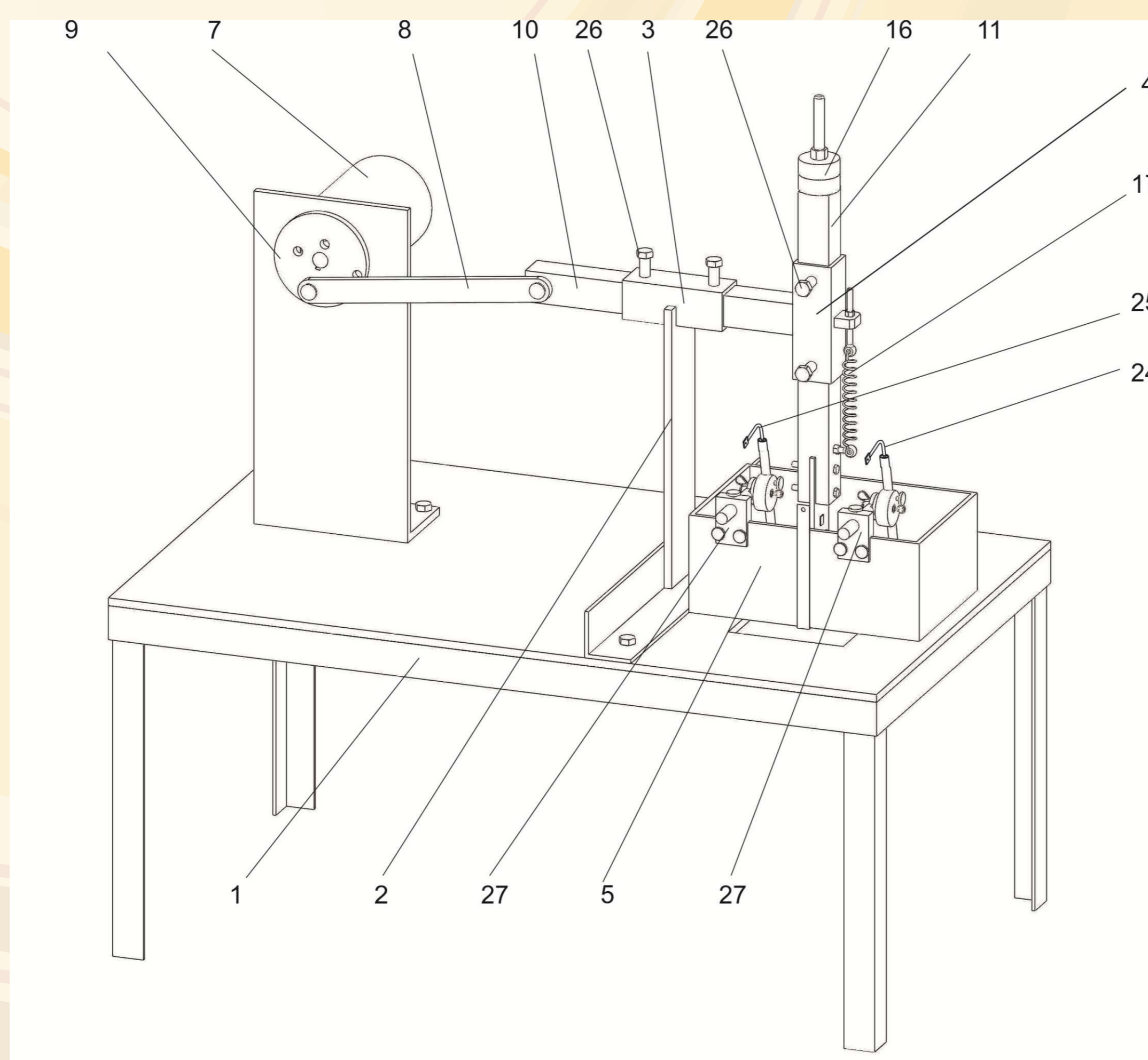
⚙️ **Inventor/s - Contact**
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⚙️ **Patent/ Application number**
Patent OSIM: R0130936 -B1/30.12.2020

⚙️ **Short presentation**
The invention consists of an experimental stand for the determination of surfaces tribocorrosion. The experimental stand for the study of tribocorrosion offers technological and building simplicity. It allows precise measurement of frictional force and other tribocorrosion parameters. It allows adjustment of working parameters, positioning and fixing of electrodes for the corrosion study. The synergistic action of tribocorrosion factors leads to surface degradation and hence loss of material, the result being superior to that obtained by simply summing up the individual degradation processes. The patent will be useful in determinations of tribocorrosion resistance of various machine parts which are working in both corrosive and wear environment.

⚙️ **Applicability**
The invention is applicable in the automotive industries; mechanical installations, electrical engineering, aeronautics, car manufacturers, civil engineering.

⚙️ **Images**



1. table;
2. Support;
3. horizontal translation mode;
4. vertical translation mode;
5. tribocorrosion cell;
6. study sample;
7. gear motor;
- 8, 9 connecting rod-crank mechanism;
- 10, 11 mobile assembly;
12. polygonal guidance;
13. lamellar arc;
14. insulating support;
15. glass ball;
16. weights;
17. stretching spring;
- 18, 19. eye screw;
- 20 nut;
21. gasket;
22. working electrode;
23. tensometric translators;
24. reference electrode;
25. auxiliary electrode;
26. Screws;
27. Support