

ROTATING SYSTEM

- 01 Upper hollow shaft
- 02 Rotor
- 03 Lower hollow shaft
- 04 Drawing off nozzle
- 05 Motor shaft
- 06 Armature
- 07 Tachometer assembly and anchoring clamp

UPPER GAS SEAL

- A Gas chamber
- B Trap chamber
- 10 Housing of the upper gas seal
- 12 Gas inlet
- 16 Evacuation conduit
- 18 Oil drain

MOTOR

- M Motor chamber
- 20 Motor base plate
- 21 Upper bearing
- 22 Stator assembly
- 23 Cooling jacket of the stator
- 24 Pressure chamber of the oil piston pivot bearing
- 25 Packing of the oil piston pivot bearing
- 26 Lower cellar bearing
- 27 Oil collecting main
- 28 Upper damping bearing
- 29 Detector choke of the oscillation measuring device

SAFETY CASING

- D Casing chamber
- 30 Oil catcher
- 31 Safety casing
- 32 Cooling coil
- 33 Screwing ring
- 34 Seal ring
- 35 Protective lining
- 36 Guard ring
- 37 Gliding plane for anchoring clamp 38
- 38 Anchoring clamp for the connection of the lower gas seal with the safety casing
- 39 Oil collecting main

LOWER GAS SEAL

- E Blocking chamber
- F Gas chamber
- 40 Lower lid of the safety casing
- 41 Connection for the gas trap
- 43 Evacuation conduit
- 45 Oil drain
- 47 Oil drain

FOUNDATION

- 51 Apparatus support
- 52 Counter-nut of the lower gas seal
- 53 Concrete foundation

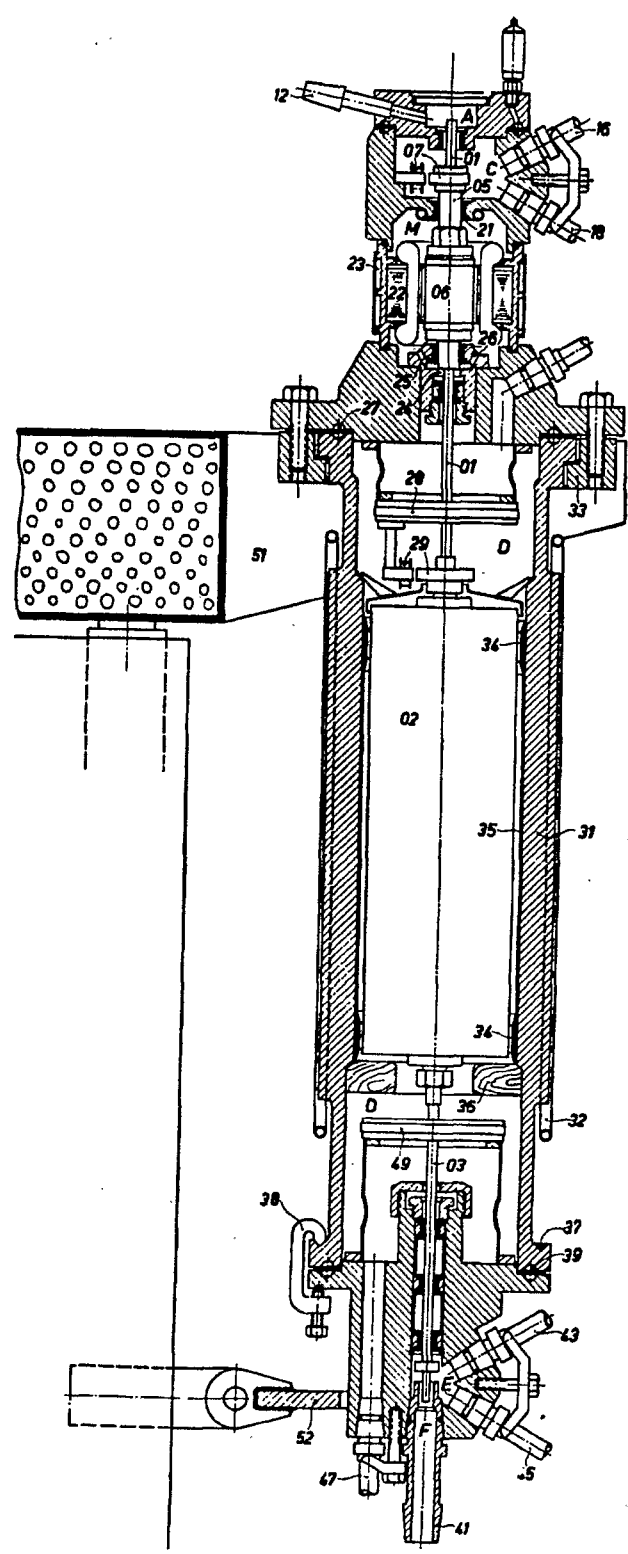


Figure 1
The Present German 300 Meter-Per-Second Gas Centrifuge