

(57) Abstract:

(54) **ABRISARION-RESISTANT GAS SEPARATOR**

FIELD: engines and pumps.

SUBSTANCE: invention relates to pump production. Gas **separator** comprises cylindrical housing and shaft supporting intake assembly, pressure assembly, separation assembly and assembly to direct separated gas into hole clearance. Separation assembly represents 3 to 8 flat vanes parallel to its rotational axis, smoothly coupled with helical blades on flow inlet inclined towards direction of rotation. Flat vanes are inclined towards direction of rotation to make the angle not exceeding 60° , between normal to rotational axis and aforesaid vanes, and features length making 0.2 to 0.9 of separation assembly length.

EFFECT: long faultless operation in liquid containing abrasive particles.

4 cl, 6 dwg

