

Title (en)
Reciprocating pump and vacuum pump

Title (de)
Kolbenpumpe und Vakuumpumpe

Title (fr)
Pompe à piston et pompe à vide

Publication
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Application
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Priority
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Abstract (en)
A reciprocating pump has an action chamber, a diaphragm, a drive shaft, and a roller. The diaphragm is displaced for changing the volume of the action chamber. A groove is formed on a circumference of the drive shaft. The roller is engaged with the groove and is connected to the diaphragm. When the drive shaft is rotated, the roller is guided by the groove to reciprocate along the axis of the drive shaft. When the roller reciprocates, the diaphragm is displaced along the axis of the drive shaft. <IMAGE>

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