

Title (en)
Reciprocating pump and vacuum pump

Title (de)
Kolbenpumpe und Vakuumpumpe

Title (fr)
Pompe à piston et pompe à vide

Publication
EP 1435459 A3 20050907 (EN)

Application
EP 03021301 A 20030919

Priority
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Abstract (en)
[origin: EP1435459A2] 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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CPC (source: EP KR US)
F04B 9/02 (2013.01 - KR); **F04B 37/14** (2013.01 - KR); **F04B 41/06** (2013.01 - KR); **F04B 45/047** (2013.01 - KR); **F04C 18/126** (2013.01 - EP KR US); **F04C 23/001** (2013.01 - EP US); **F04C 2220/10** (2013.01 - EP US); **F05B 2210/12** (2013.01 - KR); **Y10S 417/00** (2013.01 - KR)

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