

Title (en)  
METERING PUMP FOR LIQUID PRODUCTS

Title (de)  
DOSIERPUMPE ZUM FÖRDERN VON FLÜSSIGKEITEN

Title (fr)  
POMPE DE DOSAGE POUR PRODUITS LIQUIDES

Publication  
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Application  
**EP 00920319 A 20000508**

Priority  
CH 0000255 W 20000508

Abstract (en)  
[origin: WO0186150A1] The invention concerns a metering gear pump comprising a set of gears (3) supported and guided solely by the inner peripheral surface of the lobe of the chamber (110) wherein they are housed. They do not comprise any shaft to act as support or guide, thereby enabling to reduce significantly useless spaces difficult to rinse when changing the product to be pumped. For the same purpose, the driving shaft (40) is flexibly (41, 300) connected to the driving gear (30). Such arrangement provides the advantage of requiring only one single packing seal (5). Such a pump, connected to a drive motor (41) and an encoder (43) delivering a signal proportional to the number of pump cycles, enables to provide an accurate metering pump for numerous uses.

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Citation (search report)  
See references of WO 0186150A1

Cited by  
CN103967783A; WO2013127651A1; WO2008135326A1

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