

Title (en)
VARIABLE DISPLACEMENT DUAL VANE PUMP

Title (de)
VERSTELLBARE DOPPELFLÜGELZELLENPUMPE

Title (fr)
POMPE À DOUBLE AUBE À DÉPLACEMENT VARIABLE

Publication
EP 2150702 A1 20100210 (EN)

Application
EP 08742711 A 20080410

Priority
• US 2008004616 W 20080410
• US 92268307 P 20070410

Abstract (en)
[origin: WO2008124174A1] The present invention is a variable displacement pump having an inner rotor rotatable about a first axis and having at least two slots. The pump also has at least two vanes, each located in a distinct one of the at least two slots. The pump also has an outer rotor rotatable about a second axis, operably associated with the inner rotor, the outer rotor having two or more recesses, each configured to receive one of the vanes. The pump also includes an expandable chamber formed by the outer rotor and the inner rotor, an eccentric ring surrounding the outer rotor, and a housing. The eccentric ring is located within the housing for adjusting the relative relationship between the first axis and the second axis in order to vary the displacement of the pump.

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Citation (search report)
See references of WO 2008124174A1

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