

Title (en)
ROTARY FLUID DEVICES

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EP 0187610 A3 19861203 (EN)

Application
EP 85630211 A 19851202

Priority
US 67755384 A 19841203

Abstract (en)
[origin: EP0187610A2] A rotary fluid motor or pump device having opposing cam surfaces and a rotor with vanes shiftable within vane slots of the rotor and riding on the cam surfaces is disclosed. The device includes at least eight vane members circumferentially spaced about the rotor and cam surfaces having diametrically opposed slopes extending over arcs of at least about 130 DEG , with means for the entrance or exit of fluid along the entire length of each such slope of 130 DEG or more. At least six chamber spaces between vanes of the device always function to receive fluid and at least six such chamber spaces always function to exit fluid from the device, regardless of the rotary orientation of the rotor. A device for hydraulically assisting the steering vehicles is provided wherein rotary valve elements and rotary motor elements are concentrically mounted about a steering shaft.

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F04C 2/34 (2006.01); **F01C 1/344** (2006.01)

CPC (source: EP)
F01C 1/3448 (2013.01)

Citation (search report)

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