

## **POSTER 10**

# **ROTARY SHAFT POWER EXTRACTION FROM A FREE-PISTON ENGINE**

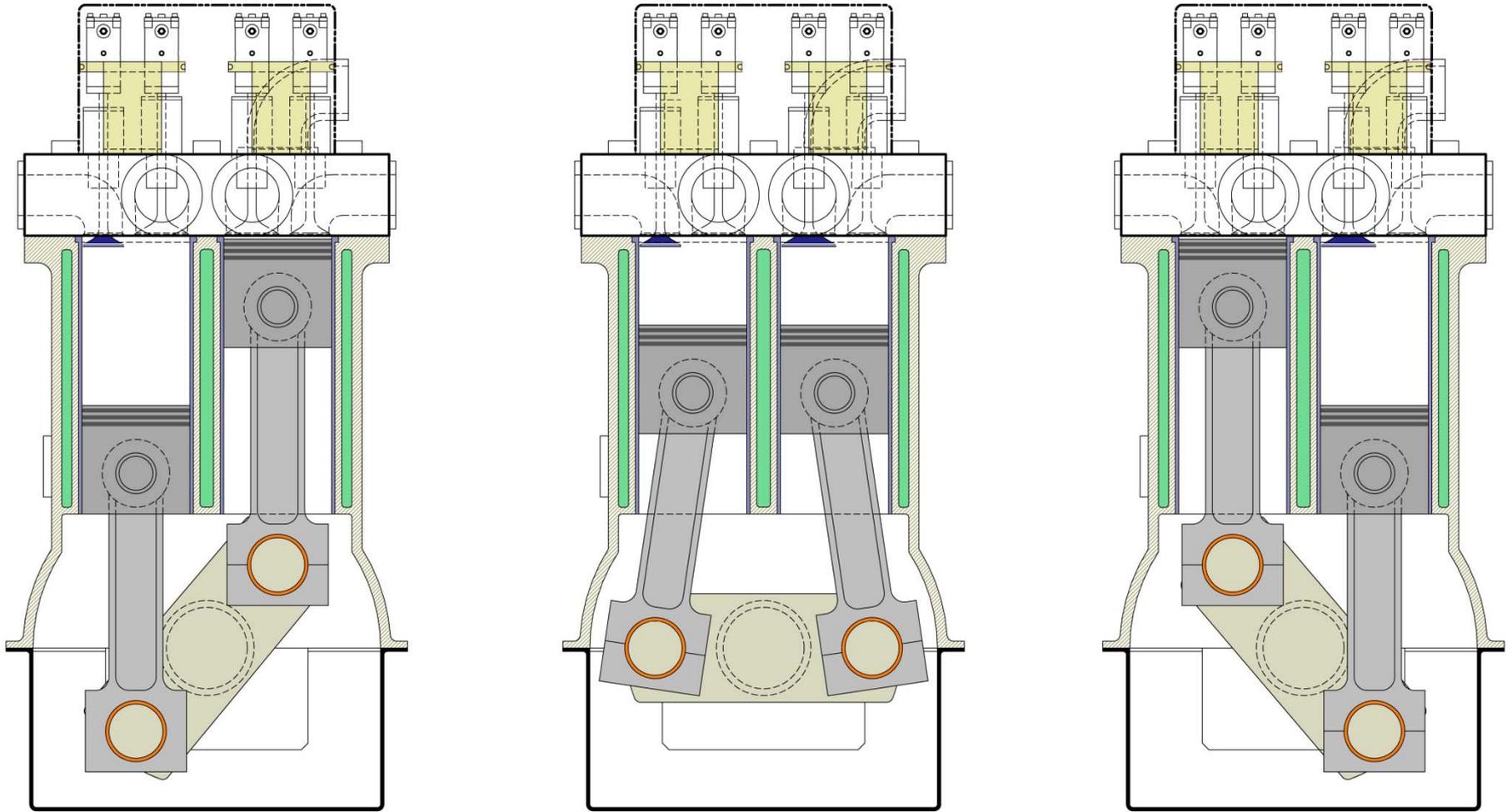
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Based on the **Free-Piston Floating Stroke (FP-FS)** engine,  
U.S. Patent 7,258,086 (foreign and other patents pending).

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## The FP-FS Engine – four-cylinder, four-stroke.



**A pivot shaft replaces the crankshaft and oscillates CW then CCW through a range of about 90°.**