PUMP INCLUDING A COMPRESSIBLE ROTOR HAVING OFFSET ROTOR BLADES

ABSTRACT

Aspects of the present technology relate to compressible and expandable pumps. In one aspect, a pump is provided including a pump housing that is expandable and compressible and a rotor that is expandable and compressible and disposed in the pump housing. The rotor includes at least one rotor blade, a hub, and an axis of rotation. At least a portion of the at least one rotor blade extends from the hub along a first axis that is offset a predetermined distance from a radial axis of the rotor that traverses the axis of rotation. The pump further includes a drive shaft having a proximal end and a distal end, wherein the hub of the rotor is mounted to the distal end of the drive shaft and the drive shaft is rotated to rotate the rotor.

[Fig. 4c]