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(57) Abstract :
An impeller (100) for a pump for generating required output flow rate. The impeller comprises a hub (102), a base plate (102), and a plurality of radially extended blades (106). The hub (102) adapted to be mounted on a rotatable drive shaft of the pump and the base plate (104) configured to be coaxially mounted on the hub (102) perpendicular to axis of rotation. The plurality of radially extended blades (106) mounted on an outer surface of the hub (102) and a front surface of the base plate (104). The pump is configured to receive air or liquid coaxially through an inlet port of the pump and disperse the received air or liquid radially outward relative to the base plate (104).

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