

## TRIMABLE IMPELLER DEVICE AND SYSTEM

### ABSTRACT

An impeller includes a hub and a plurality of blades. Each blade extends out from the hub. The impeller has an original diameter defined by respective tips of the plurality of blades. Each blade includes a central axis, a leading edge, a trailing edge, an original profile, and a plurality of trim profiles. The original profile has an outside portion and a trailing portion. The outside portion has an angle within a range of about 40° to about 90° from the central axis and the trailing portion having an angle within a range of about 10° to about 50° from the central axis. A first selected trim profile of the plurality of trim profiles extends along a first line parallel to the outside portion and a second line parallel to the trailing portion.

Fig. 1