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(54) Title: AIR PRE-CLEANER SPIN TUBE

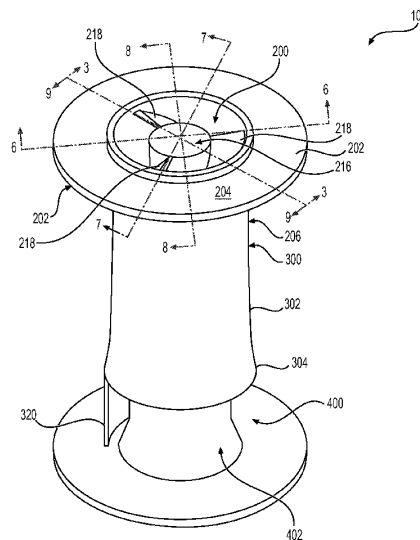


FIG. 1

(57) Abstract: An air pre-cleaner spin tube (100) includes a vaned inlet section (200) including an inlet flange (202), and an outer tube inlet portion (206) including an outer wall (208) forming a nozzle (210) that defines a radial direction, and a longitudinal axis (214). Also, a central stem (216) is disposed in the nozzle (210), and a plurality of vanes (218) extend from the central stem (216) to the outer wall (208).

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