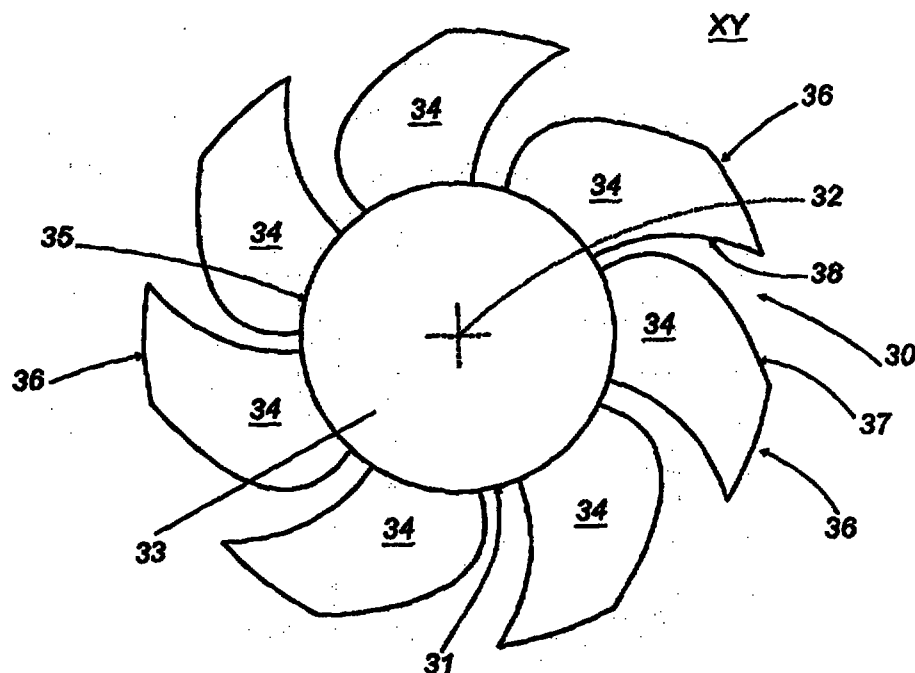




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(54) Title: AXIAL FLOW FAN



(57) Abstract

The axial flow fan (1; 30) comprises a central hub (3; 33), a plurality of blades (4; 34) which have a root (5; 35), and an end (6; 36). According to one embodiment, the blades (4; 34) are spaced at unequal angles ($\theta_i, \dots, \theta_n$) which can vary in percentage ($\theta\%$) from 0.5 % to 10 %, compared to the configuration with equal spacing angles (θ_{-}) for fans with an equal number of blades. Preferably, the blades (4; 34) are delimited by a convex edge (7; 37), whose projection onto the rotation plane of the fan is defined by a parabolic segment and a concave edge (8; 38) whose projection onto the rotation plane of the fan is defined by a circular arc.