

Fan and ducted-fan performance enhancements (Technion)

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The presented invention pertains to personal, industrial and automotive cooling, ventilation, vacuuming and dust removal, inflating, etc. Other applications are computer component cooling, propellant for air vehicles and for airboats, air-cushion vehicles, airships and model aircraft. The invention suggests using a dielectric barrier discharge plasma actuation in a new method in order to significantly improve the function of the applications mentioned above, and possibly decrease energy consumption wherever it is implemented.

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