ABSTRACT OF THE DISCLOSURE

METHOD OF REDUCING THE OBJECT-TRAVELING RESISTANCE

A method of reducing the object-traveling resistance includes the steps of forming a plurality of small cavities on the whole or at least a portion of an object skin by a non-destructive measure, and producing a plurality of small vortexes at the object skin to form a thin turbulent boundary layer when a fluid passes through the plurality of small cavities, for achieving an advantageous interference to a turbulence of the fluid at the object skin, such that a portion of fluid is not in contact with the object skin, and a viscous drag acting on the object skin is reduced to extend a wake and reduce a drag force of the wake. The aforementioned mechanism can reduce the object-traveling resistance to provide a faster traveling speed and a big moving power of the object.

Figure 5