

Floating Structure For Transport Formed By A Train Arrangement Of Rotary Bodies Of Revolution Which Reduces The Drag Of Same During Sailing

Abstract

A floating structure for transport (1) formed by a tandem arrangement of rotating bodies of revolution (2) that decreases the advance resistance thereof during its navigation, wherein said tandem arrangement of rotating bodies of revolution (2) is formed by a front body of revolution (6), intermediate bodies of revolution (7) and a rear body of revolution (8) which have a rotation synchronized with the forward speed of said structure, said intermediate bodies of revolution (7) being related to each other by their longitudinal rotation axes (4) by attachment means (5) fixed to an upper platform (12), at the same time as the longitudinal rotation axes of said front (6) and rear (8) bodies of revolution are associated to the rotation axes of the bodies of revolution adjacent thereto by hinge means (10), said hinge means (10) being pivotally joined to one of the ends of the draft control means (9), which are pivotally joined by the other end to said upper platform (12), said longitudinal rotation axes (4) arranged perpendicular to the direction of advance of said structure and associated with driving means (11); and said rotating bodies of revolution being separated from each other by a distance of about 5% or less of their maximum diameter.

Fig. 1