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(54) Titre : PROCEDE D'AUGMENTATION COMPLEXE DE CARACTERISTIQUES AERODYNAMIQUES ET DE TRANSPORT, ECRANOPLANE POUR LA MISE EN ŒUVRE DU PROCEDE, VARIANTES, ET PROCEDE DE VOL

(54) Title: METHOD FOR COMPREHENSIVELY INCREASING AERODYNAMIC AND TRANSPORT CHARACTERISTICS, A WING-IN-GROUND-EFFECT CRAFT FOR CARRYING OUT SAID METHOD (VARIANTS) AND A METHOD FOR REALIZING FLIGHT

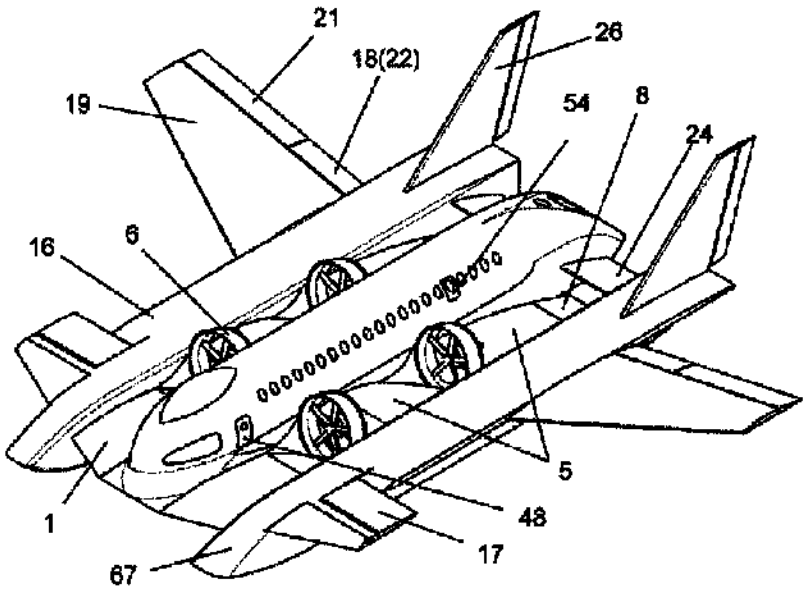

Fig. 22

(57) Abrégé/Abstract:
The group of inventions relates to aviation and to transport means having (static and dynamic) air discharge, in particular to self-stabilizing wing-in-ground-effect craft of types A, B and C. The following technical results are achieved: increased flight safety and manoeuvring safety, increased load-bearing capacity and flight height in ground effect mode, reduced dimensions, improved take-off and landing characteristics, as well as amphibian characteristics and economic efficiency, increased functionality and a wider range of operational alignments, and greater ease of use and maintenance. This result is achieved by simultaneously applying the methods for generating a system of aerodynamic forces, the structural solutions and the piloting methods conceptually linked therewith which are proposed in the present group of inventions to "flying wing" or "composite wing" design layouts.