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(71) Applicant (for all designated States except US): **AERMA-CCHI S.P.A.** [IT/IT]; Via Ing. Paolo Foresio, 1, I-21040 Venegono Superiore (IT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LUCCHESINI, Massimo** [IT/IT]; Via Cassini, 23, I-21020 Barasso (IT).
IAIA, Pierclaudio [IT/IT]; Via Monte Tabor, 7, I-21100 Varese (IT).

(74) Agents: **COPPO, Alessandro** et al.; Ing. Barzano' & Zanardo Milano S.p.A., Via Borgonuovo, 10, I-20121 Milan (IT).

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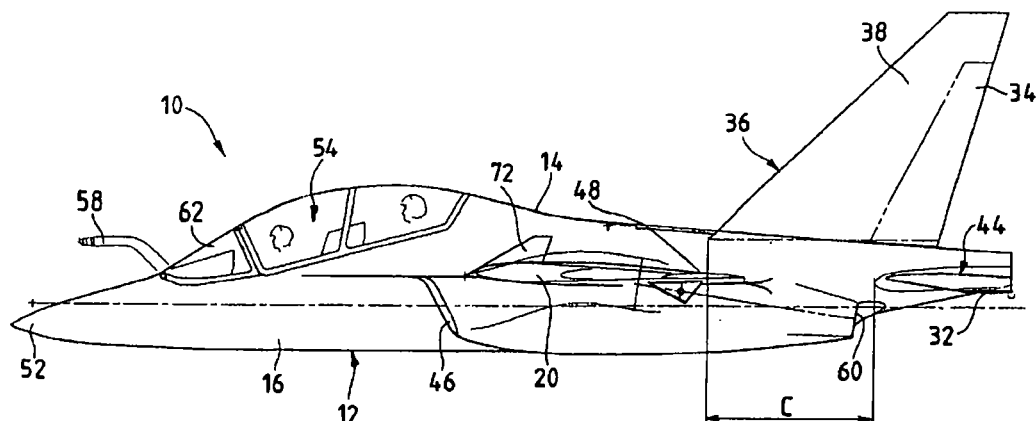
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ACTION

(54) Title: AIRCRAFT CONFIGURATION WITH IMPROVED AERODYNAMIC PERFORMANCE



(57) Abstract: An aircraft (10), in particular a trainer aircraft with improved aerodynamic performance, having a configuration able to keep a directional stability and a very good aerodynamic behaviour even at very high angles of attack, where, traditional configurations prove themselves inefficient. In particular, this configuration foresees a forebody (52) with variable section, optimised for high angle of attack flights, a LEX vortex control device (72) at least one diverterless air intake (46), and a wing profile (18, 20) optimised in order to reduce the buffet effects typical of low aspect ratio wings with thin profile and variable camber. The aircraft (10) presents, finally, staggered tails (44 and 38), to optimise the aerodynamic performance.

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