

7

12. A turbine engine nozzle subassembly comprising:
 an upstream flap;
 a downstream flap pivotally coupled to the upstream flap
 for relative rotation about a hinge axis; and
 an actuator linkage coupled to the downstream flap along 5
 a forward half thereof for actuating the upstream and
 downstream flaps between a plurality of throat area
 conditions and comprising a bell crank and a transfer
 link coupling the bell crank to the downstream flap.
13. The subassembly of claim 12 wherein: 10
 said throat is formed downstream of a hinge axis coupling
 the upstream flap to the downstream flap.
14. The subassembly of claim 12 wherein:
 the linkage permits aerodynamically-induced orientation
 changes of the downstream flap. 15
15. A turbine engine nozzle subassembly comprising:
 a convergent flap;
 a divergent flap; and
 an actuation linkage, coupled to the divergent flap so as to
 permit an aerodynamically-induced mode change

8

- articulation of the divergent flap to rotate the divergent
 flap about a non-fixed instantaneous center of rotation
 while simultaneously rotating the divergent flap rela-
 tive to the convergent flap about a non-fixed hinge axis.
16. The subassembly of claim 15 wherein:
 a nozzle throat is formed downstream of a hinge axis
 coupling the convergent flap to the divergent flap.
17. A turbine engine nozzle subassembly comprising:
 an upstream flap;
 a downstream flap pivotally coupled to the upstream flap
 for relative rotation about a hinge axis; and
 an actuator linkage coupled to the downstream flap along
 a forward half thereof for actuating the upstream and
 downstream flaps between a plurality of throat area
 conditions, said throat being formed along a longitu-
 dinally convex surface portion of the downstream flap
 downstream of a hinge axis coupling the upstream flap
 to the downstream flap.

* * * * *