

A turbofan engine contains a fixed structure, a rotor (2) of the fan, which is permanently secured on a drive shaft (5) supported by the first bearing (6) and the second bearing (7). The engine contains an axial retaining device (28) for rotor configured to form an emergency bearing and to cooperate with the means (32, 33) of fixed structure. Furthermore, the engine has a structural flange (18), on which the second bearing (7) is fixed, the axial retaining device for fan (2) comprises a retaining disk (28) mounted on the drive shaft (5) and configured to cooperate with a stop disk (33) of the flange (18) to axially retain the fan (2) and with a longitudinal cup of the flange to form an emergency bearing.