

Title (en)

MISSILE CONTROL SYSTEM BY MEANS OF LATERAL GAS JETS

Publication

EP 0447284 B1 19930908 (FR)

Application

EP 91400521 A 19910226

Priority

FR 9003253 A 19900314

Abstract (en)

[origin: EP0447284A1] System for controlling a missile (1) by means of gas jets, comprising a gas generator (9) capable of being connected to at least one pair of lateral nozzles (8) by the intermediary of rotary cover means (14), mobile under the action of motor means (30) and controlling the passage of the gases through the said nozzles. <??>According to the invention, this system is characterised in that : - an individual rotary cover (14) is associated with each nozzle (8); - each cover (14) is controlled in rotation by the piston (31) of an actuating cylinder (30) of which one chamber (38a) receives a portion of the gas generated by the said gas generator (9), the position of the said piston being controlled by the control of the flow rate of the said gas through the said chamber (38a); - the chambers (38b) of the said actuating cylinders (30), opposite to those (38a) receiving the said flow rates of gas, are connected to each other by a coupling circuit (39) containing a pressurised incompressible fluid; and - the volume of the said pressurised incompressible fluid is chosen such that one of the covers (14) can be in the position of complete opening of the associated nozzle (8), while all of the other covers completely cover the nozzles corresponding to them. <IMAGE>

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IPC 8 full level

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