Title (en)
GUIDING-STEERING DEVICE FOR A MISSILE HAVING A MOBILE NOZZLE

Publication
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Application
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Abstract (en)
[origin: EP0352161A1] The invention relates to a gas-jet device inside at least one nozzle movable in rotation, making it possible to generate one or more thrust forces ensuring the guidance and steering of a missile. <??>The guiding-steering device comprises a nozzle block (2), to which a nozzle (14) is fixed. The nozzle (14) is set in rotation via the movable nozzle block (2) by a device for setting in rotation which can, for example, be a pneumatically controlled device; this pneumatically controlled device comprises a control piston (3) equipped with a rack (22) and with cylindrical chambers (18); the latter experience, by means of a gas distribution system, pressure variations which impart a translational movement to the piston (3); this transmits a rotational movement via a gearwheel (11) to the nozzle block (2) and therefore to the nozzle (14). With a gas generator feeding the nozzle or nozzles (14) and with the guidance and steering selected, all that remains is to position the nozzle or nozzles at a desired opening angle in order to obtain the desired direction. <??>This device is used on all systems employing a guiding and/or steering device. <IMAGE>

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