

Title (en)
Nozzle system of a rocket engine

Title (de)
Düsensystem eines Raketenmotors

Title (fr)
Système de tuyères de moteur-fusée

Publication
EP 2067975 B1 20120905 (FR)

Application
EP 08170816 A 20081205

Priority
FR 0758854 A 20071107

Abstract (en)
The system has a set of non-axisymmetric shaped individual pipes (1), where each pipe has a circular shaped neck (12) that receives gas from a combustion chamber (11) and a divergent section (13). The section has a trapezoidal shaped outlet section (14) provided with rectilinear radial lateral sides (14c, 14d). The section (14) has a curved outer side (14b) whose convexity is turned towards the exterior, and a rectilinear inner side (14a) that is situated nearer to a tapered axisymmetric central core (2). The side (14a) has dimension smaller than a chord defined from the side (14b).

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