

Title (en)
FLAME ARRESTERS

Title (de)
FLAMMENSPERREN

Title (fr)
PARE-FLAMMES

Publication
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Application
EP 17721448 A 20170428

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Abstract (en)
[origin: GB2549784A] A flame arrester 1 which includes a stack of spaced plates 3 which include an end plate 30 and a plurality of intermediate plates 31, a first flow passage 20 defined at least in part by an aperture 32 in each intermediate plate 31 and a second flow passage 37 defined between adjacent plates 30, 31, wherein at least a portion of the periphery of the intermediate plates 31 tapers. In a preferred embodiment, the periphery and apertures of the intermediate plates increase in size from the end plate to provide an outer profile that tapers to form a substantially conical or pyramidal shape. The second passage is preferably non-radial and/or is non-perpendicular to the first flow passage or a primary flow direction thereof. One or more support and/or heat transfer elements, comprising a honeycomb, mesh or porous element, are disposed between pairs of plates and within each second flow passage.

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