

Title (en)
SUPERSONIC JET NOZZLE-DEVICE

Title (de)
ÜBERSCHALLVORRICHTUNG

Title (fr)
DISPOSITIF SUPERSONIQUE

Publication
EP 0793780 B1 19991020 (DE)

Application
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Abstract (en)
[origin: US5839884A] PCT No. PCT/DE95/01160 Sec. 371 Date Mar. 18, 1997 Sec. 102(e) Date Mar. 18, 1997 PCT Filed Aug. 18, 1995 PCT Pub. No. WO96/06285 PCT Pub. Date Feb. 29, 1996A supersonic device including an elongated mixer-diffuser housing having first and second drive nozzles arranged axially and tandemly therein. The first and second drives nozzles are arranged in first and second cylinder parts, respectively, of the mixer-diffuser housing. A conical first mixer part is disposed between the first and second cylinder parts and defines a first mixing zone therein. The second drive nozzle further comprises a generally conical displacement body, preferably configured as a supersonic cone or wedge, which extends into the conical first mixer part.

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