

Title (en)  
SPRAY NOZZLE FOR OVERHEATED LIQUID

Title (de)  
ZERSTÄUBUNGSDÜSE FÜR ÜBERHITZTE FLÜSSIGKEITEN

Title (fr)  
BUSE DE PULVERISATION DE LIQUIDE SURCHAUFFE

Publication  
**EP 1606064 A2 20051221 (FR)**

Application  
**EP 04720049 A 20040312**

Priority  
• FR 2004000604 W 20040312  
• FR 0303532 A 20030324

Abstract (en)  
[origin: US7753286B2] A device providing for an overheated liquid to be sprayed in very fine droplets at a very high speed, comprised of a nozzle body followed by a mixer head and several injectors opening onto a divergent speed attainment nozzle. Fittings adjust the exit section of the nozzle by adding a profiled core that may slide on the axis of the divergent nozzle and enabling, depending on its position, the exit section of the nozzle to be adjusted to maintain a maximum ejection speed of sprayed droplets. The device is particularly applicable to the chemical and energy industries.

IPC 1-7  
**B05D 1/02**; B05B 1/00; B05B 1/24

IPC 8 full level  
**B05B 1/34** (2006.01)

CPC (source: EP US)  
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