

Title (en)  
APPARATUS FOR PRESSURE-ATOMISING METALS OR ALLOYS

Publication  
**EP 0331993 B1 19920102 (DE)**

Application  
**EP 89103286 A 19890224**

Priority  
DE 3807776 A 19880309

Abstract (en)  
[origin: EP0331993A1] Arranged in a closed atomising tank of such an apparatus, the said tank comprising a melting chamber and an atomising chamber, are a melting crucible, a pouring funnel and an atomiser nozzle, by means of which the molten metal is atomised by pressurised fluid as atomising medium taken from a storage container via a force pump and collected in the atomising chamber connected to the melting chamber. According to the invention, the atomiser nozzle (5) has at least two discrete fluid outlet openings, which are arranged symmetrically around the falling stream of melt, and arranged between the atomising tank (1, 6) and the fluid storage tank (16) is a compensation line (17) via which the gas volume displaced by the fluid is recirculated from the atomising tank (1, 6) into the storage container (16) from which the fluid is taken. <IMAGE>

IPC 1-7  
**B22F 9/08**

IPC 8 full level  
**B22F 9/08** (2006.01)

CPC (source: EP)  
**B22F 9/082** (2013.01); **B22F 2009/088** (2013.01)

Cited by  
EP0544068A3; CN113714505A; CN107159898A

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 0331993 A1 19890913; EP 0331993 B1 19920102; DE 58900645 D1 19920213**

DOCDB simple family (application)  
**EP 89103286 A 19890224; DE 58900645 T 19890224**