

Title (en)  
APPARATUS FOR DRYING AND SUPERHEATING STEAM

Publication  
**EP 0206303 B1 19890531 (DE)**

Application  
**EP 86108539 A 19860623**

Priority  
DE 3522428 A 19850622

Abstract (en)  
[origin: ES8706927A1] An apparatus for drying and superheating steam, especially for supplying steam to a turbine. The apparatus includes a horizontal cylindrical pressure tank that has at least one steam inlet, a water separator that is disposed in the lower portion of the pressure tank and extends essentially over the entire length of the tank, a superheater that is disposed in the upper portion of the pressure tank and extends essentially over the entire length of the tank, and at least one steam outlet disposed on the upper side of the tank and connected to the superheater. The steam inlet is disposed at one end face of the pressure tank. Drying steam leaves the water separator, one end of which is supplied with wet steam, and enters the pressure tank. The water separator and the superheater, as self-contained structural units independently of one another and free from any seal that extends over the entire length of the pressure tank, are held against the wall of the pressure tank or on the wall of the pressure tank in such a way as to be movable relative to one another in response to heat.

IPC 1-7  
**F22B 37/26; F22G 1/00**

IPC 8 full level  
**F22B 37/26** (2006.01); **F22G 1/00** (2006.01)

CPC (source: EP US)  
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Citation (examination)  
CH 494920 A 19700815 - BALCKE AG MASCHBAU [DE]

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