

Title (en)  
SEPARATOR FOR A WATER-STEAM SEPARATING DEVICE

Title (de)  
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Title (fr)  
SEPARATEUR DESTINE A UN DISPOSITIF SEPARATEUR D'EAU ET DE VAPEUR

Publication  
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Application  
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Priority

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Abstract (en)  
[origin: WO0011401A1] The invention relates to a separator (1) for separating water (W) and steam (D). Said separator comprises an output conduit (2) on the steam side and an output conduit (3) on the water side, as well as a separation chamber (10) between a number of input conduits (5) and a turbulence cancelling unit (7) which is placed upstream of said input conduit (3) on the water side. In order to minimise pressure losses while ensuring high medium throughput and effective separation, said separation chamber (10) has a length (A) which is at least 5 times bigger than its inner diameter (DI) and the ratio (K) of total flow section (F[m<sup>2</sup>]) of the input conduits (5) to the square of the inner diameter (DI[m]) of said separation chamber is comprised between 0.2 and 0.3. In a steam/water separating device (11), said separator (1) is connected to a water collector (15) in such a way that the upper end (OK) of said collector is located below the half-length (L) of the separator (1) - determined from the lower end of said separator on the water side (UE).

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