

Title (en)
MIXING CONDENSER

Title (de)
MISCHKONDENSATOR

Title (fr)
CONDENSEUR À MÉLANGE

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Application
EP 09785757 A 20090708

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Abstract (en)
[origin: WO2011004205A1] The invention relates to a mixing condenser with at least one condenser member, the condenser member comprising: a steam space (24); a water chamber (3) providing a cooling water (2) for condensing steam (1) flowing downwards in the steam space (24), the water chamber (3) having nozzles being arranged on the water chamber (3) and ejecting the cooling water (2) essentially crosswise to the flow direction of the steam (1); a catch plate (5) receiving the cooling water (2) ejected by the nozzles and heated up by the steam (1), the catch plate (5) being arranged opposite to the nozzles; a mixture chamber (15) for collecting an air enriched air and steam mixture; and an aftercooler for condensing the remaining steam in the air enriched air and steam mixture. According to the invention, the aftercooler is formed separately from the water chamber (3) providing the cooling water (2) for condensing the steam (1) flowing downwards.

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