

Title (en)

Steam seal header, method of using a steam seal header and steam turbine system incorporating a steam seal header

Title (de)

Dampfdichtkopf, Verfahren zur Verwendung eines Dampfdichtkopfs und Dampfturbinensystem mit einem Dampfdichtkopf

Title (fr)

Pièce d'étanchéité à vapeur, procédé d'utilisation d'une pièce d'étanchéité à vapeur et système de turbine à vapeur comprenant une telle pièce d'étanchéité à vapeur

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Application

EP 12195743 A 20121205

Priority

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Abstract (en)

A steam turbine system for use in a power plant includes a steam seal header (350) that collects steam from seals (112,114,122) of a high pressure steam turbine (110) and an intermediate pressure steam turbine (120). The collected steam is provided to seals of a low pressure steam turbine (130) to ensure the seals (132) provide an effective seal for the low pressure steam turbine (130). Steam from the low pressure steam turbine (130) is also collected in the steam seal header (350) and it is mixed with the steam collected from the high and intermediate pressure seals (112,114,122). The mixed steam is then provided to drive the low pressure steam turbine (130).

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