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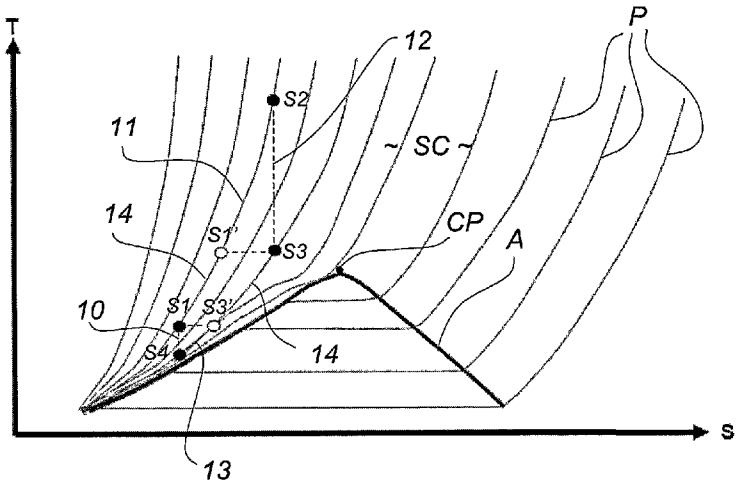
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(54) Title: A METHOD AND SYSTEM FOR GENERATING POWER FROM A HEAT SOURCE



(57) Abstract: A method of generating power from a heat source, said method including: compressing (10) a working fluid to increase its temperature; exchanging (11) heat between said working fluid and said heat source to superheat said working fluid; expanding (12) said superheated working fluid to drive a turbine, thereby reducing its temperature; condensing (13) said working fluid to further reduce its temperature; and returning said working fluid to said compressing step (10), the method further including the step (14) of regenerating the heat of said working fluid wherein working fluid passing between said compressing step (10) and said heat exchanging step (11) exchanges heat with working fluid passing between said expanding step (12) and said condensing step (13); wherein said steps are performed in a thermodynamic cycle (S1-S1'-S2-S3- S3'-S4) within a supercritical region (SC) above the saturation dome (A) of said working fluid, and wherein said heat regenerating step (14) is performed under isenthalpic conditions to induce continuous heat exchange. A system for generating power from a heat source is also provided.

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