condensation cycle of thermal power plant is offered as a future work.

References

[1] Tritt. T. M. and Subramanian. M. A., " Thermoelectric Materials, Phenomena, and Applications,", vol.3, MRS Bulletin 31, 2006, pp. 188-194.
[2] Thomas C. Elliott, Kao Chen and Robert Swanekamp, " Standard Handbook of Power plant Engineering," 2nd ed, ISBN 0-07-019435-1,McGraw-Hill Professional, 1997.
[3] British Electricity International," Modern Power Station Practice: incorporating modern power system practice," 3rd ed, vol. 12, 1991 Pergamon, ISBN 0-08-040510-X.
[4] K. Biswas, M.S. Good, K. C. Roberts, M.A. Subramanian and T. J. Hendricks, " Thermoelectric and structural properties of highperformance In-based skutterudites for high-temperature energy recovery", Journal of Materials Research, pp. 1827-1835, 14 Aug. 2011.
[5] Y. Zhao, J. S. Dyck and C. Burda, " Toward high-performance nanostructured thermoelectric materials: the progress of bottom-up solution chemistry approaches", Journal of Materials Chemistry, 30 Aug, 2011.
[6] Cobble, M.H, "Calculation of generator performance", CRC Handbook of Thermoelectric, CRC Press, Inc, 1995.
[7] M. Takeiishi , "Thermal conductivity measurements of Bismuth Telluride thin films by using the 3 Omega method". The 27th Japan Symposium on Thermophysical Properties, Kyoto, 2006.
[8] Tan, J, "Thermoelectric properties of bismuth telluride thin films deposited by radio frequency magnetron sputtering". Proceedings of SPIE. 5836, pp. 711, 2005.
[9] H. Zou, D. M. Rowe and S. G. K. Williams, "Peltier effect in a co-evaporated Sb2Te3(P)-Bi2Te3(N) thin filmthermocouple", Thin Solid Films, Vol. 408, (2002) pp. 270-274.
[10] L. W. Silva and M. Kaviany, "Micro-thermoelectric cooler: interfacial effects on thermal and electrical transport", International Journal of Heat and Mass Transfer, Vol. 47, (2004) pp. 2417–2435.
[11] M. Stolzer, V. Bechstein, J. Meusel, "Deposition of (Bi,Sb)2Te3 films by magnetron co-sputtering from two targets – first results", Proceedings of the 15th International Conference on Thermoelectrics, (1996) pp. 422 - 424.
[12] A. Foucaran, A. Sackda, A. Giani, F. Pascal-Delannoy and A. Boyer, "Flash evaporated layers of (Bi2Te3–Bi2Se3)(N) and (Bi2Te3–Sb2Te3)(P)", Materials Science and Engineering B, Vol. 52, (1998) pp. 154-161.
[13] B. Aboulfarah, D. Sayah, and A. Mzerd, "MOCVD growth of Bi2Te3-Sb2Te3 layers: Effect of growth parameters on the electrical and thermoelectrical properties", M. J. Condensed Matter, Vol. 3, (2000) pp. 76-79.
[14] D.M. Rowe, CRC Book on Thermoelectrics, CRC Press, 1995.
[15] G.S. Nolas, J. Sharp and H.J. Goldsmid, Thermo-electrics Basic Principles and New Materials Developments, Springer, 2001.
[16] L. W. Silva, M. Kaviany and M. Asheghi, "Measured Performance of a Micro Thermoelectric Cooler", ASME Heat Transfer/Fluids Engineering Summer Conference, (2004) pp. 1–8.

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