

Title (en)  
Hybrid rankine cycle system.

Title (de)  
Hybridisches Rankin-Zyklus-System.

Title (fr)  
Système à cycle de rankine hybride.

Publication  
**EP 0328103 A1 19890816 (EN)**

Application  
**EP 89102240 A 19890209**

Priority  
• JP 3064888 A 19880212  
• JP 7043888 A 19880324  
• JP 7044088 A 19880324

Abstract (en)  
A hybrid Rankine cycle system comprises a boiler (1) in which water steam is generated, a steam turbine (2) which is worked by the water steam from the boiler to drive a generator to obtain electric power, an absorber condenser (3) for introducing therein strong absorbent solution to absorb the water steam from the steam turbine to produce weak absorbent solution, and a pump (4) for delivering the weak absorbent solution from the absorber condenser to the boiler. The weak absorbent solution is heated in the boiler to produce the strong absorbent solution to be fed to the absorber condenser and the water steam to be fed to the steam turbine.

IPC 1-7  
**F01K 7/22**; **F01K 25/06**

IPC 8 full level  
**F01K 25/06** (2006.01)

CPC (source: EP KR)  
**F01K 7/00** (2013.01 - KR); **F01K 25/065** (2013.01 - EP)

Citation (search report)  
• [X] GB 294882 A 19290912 - GEN ELECTRIC  
• [Y] EP 0193184 A1 19860903 - KALINA ALEXANDER IFAEVICH  
• [X] EP 0181275 A2 19860514 - ECOENERGY INC [US]  
• [A] EP 0112041 A2 19840627 - GASON ENERGY ENG [IL]  
• [A] FR 1546326 A 19681115  
• [A] FR 2506386 A1 19821126 - KALINA ALEXANDER [US]  
• [X] PATENT ABSTRACTS OF JAPAN, vol. 8, no. 164 (M-313)[1601], 28th July 1984; & JP-A-59 58 105 (KOBE SEIKOSHO K.K.) 03-04-1984  
• [X] PATENT ABSTRACTS OF JAPAN, vol. 8, no. 244 (M-337)[1681], 9th November 1984; & (DAIKIN KOGYO K.K.) 17-07-1984  
• [A] IEEE SPECTRUM, vol. 23, no. 4, April 1986, pages 68-69, IEEE, New York, US; R.K. JURGEN: "The promise of the Kalina cycle"

Cited by  
CN101988397A; CN114111094A; US8468828B2; WO2007132183A3; WO2008131810A3; WO2010130981A3

Designated contracting state (EPC)  
DE FR GB IT SE

DOCDB simple family (publication)  
**EP 0328103 A1 19890816**; KR 890013315 A 19890922

DOCDB simple family (application)  
**EP 89102240 A 19890209**; KR 890001577 A 19890211