

発明名称： 噴射式冷却サイクルを利用するバイナリーサイクル冷凍システム  
**A binary-cycle refrigeration system utilizing ejector cooling cycle**

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説明

The present invention is related to a binary-cycle refrigeration system which utilizes an ejector cooling cycle as the bottom cycle of the mechanical-compression cycle. The heat contained in the hot vapor at the exit of the compressor is utilized to power the ejector cooling cycle. The cooling effect generated from the ejector cooling cycle is used to cool the refrigerant liquid condensate in the mechanical-compression cycle to a subcooled state. The coefficient of performance (COP) of the mechanical-compression cycle can thus be improved.

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