

Title (en)

SYSTEM FOR CONTROLLING CRYOGENIC FLUID FLOW RATE AND JOULE-THOMSON EFFECT COOLER COMPRISING SAME

Title (de)

SYSTEM ZUR STEUERUNG DES DURCHFLUSSES EINES KRYOGENEN FLUIDS UND DIESE UMFASSENDE JOULE-THOMSON-KÜHLER

Title (fr)

SYSTEME DE CONTROLE DE DEBIT DE FLUIDE CRYOGENIQUE ET REFROIDISSEUR JOULE-THOMSON COMPORTANT UN TEL SYSTEME DE CONTROLE

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Abstract (en)

[origin: WO03048657A1] The invention concerns a flow rate control system comprising two components (1, 2) made of materials with different expansion ratios, one of said components (7) being arranged at least partially around the first (1, 2) component so as to normally provide an annular outlet (13) which is closed when the component (7) contracts, the passage of the gas to be expanded being then limited to a passageway with reduced cross-section in the central component, for example consisting in an axial groove (12). The invention is useful for producing any type or Joule-Thomson effect cooler.

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