

Title (en)

A FLUID TRANSFER MEMBER AND ASSEMBLY WHICH INCLUDE A RADIANT ENERGY ABSORBING WALL HAVING OPTIMAL MELT CHARACTERISTICS.

Title (de)

FLUIDÜBERTRAGUNGSGLIED UND ZUSAMMENBAU DER EINE STRAHLUNGSENERGIE ABSORBIERENDE WAND MIT OPTIMALEN SCHMELZMERKMALEN EINSCHLIESST.

Title (fr)

ORGANE ET ASSEMBLAGE DE TRANSFERT DE FLUIDE COMPRENANT UNE PAROI ABSORBANT L'ENERGIE RADIANTE POSSEDANT DES CARACTERISTIQUES OPTIMALES DE FUSION.

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Application

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Priority

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Abstract (en)

[origin: WO8402321A1] A fluid transfer member (10) has a radiant energy absorbing wall (14) which melts in response to the application of radiant energy. In accordance with the invention, the melt characteristics of the wall (14) are optimized to the greatest possible extent by providing the wall (14) with a density, or opacity, to the applied radiant energy which lies in a range of between about 3 and about 12. The density is determined by multiplying the wall's radiant energy absorbance by the thickness of the wall (14).

Abstract (fr)

Un organe de transfert de fluide (10) possède une paroi (14) absorbant l'énergie radiante et qui fond lors de l'application d'énergie radiante. Selon l'invention, les caractéristiques de fusion de la paroi (14) sont optimisées en conférant à la paroi (14) une densité, ou opacité, à l'énergie radiante appliquée, comprise entre 3 environ et 12 environ. La densité est déterminée en multipliant le coefficient d'absorption d'énergie radiante de la paroi (14) par l'épaisseur de cette dernière.

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