

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.

Publication

**EP 0128904 A1 19841227 (EN)**

Application

**EP 83903653 A 19831006**

Priority

US 45016582 A 19821216

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.

IPC 1-7

**B65B 3/04**; **B65B 1/04**; **B29C 17/02**; **F16L 35/00**

IPC 8 full level

**A61J 1/00** (2006.01); **A61J 1/20** (2006.01); **A61M 39/14** (2006.01); **B29C 65/14** (2006.01); **F16L 37/098** (2006.01)

CPC (source: EP)

**A61M 39/143** (2013.01); **B29C 65/1435** (2013.01); **B29C 65/148** (2013.01); **B29C 65/58** (2013.01); **B29C 65/72** (2013.01); **B29C 65/7473** (2013.01); **B29C 66/1162** (2013.01); **B29C 66/1312** (2013.01); **B29C 66/5221** (2013.01); **B29C 66/5223** (2013.01); **B29C 66/52298** (2013.01); **B29C 66/534** (2013.01); **B29C 66/54** (2013.01); **B29C 66/73774** (2013.01); **B29C 66/73921** (2013.01); **B29C 66/857** (2013.01); **F16L 37/098** (2013.01); **A61J 1/10** (2013.01); **A61M 2039/1027** (2013.01); **B29C 65/1403** (2013.01); **B29C 65/1406** (2013.01); **B29C 65/1409** (2013.01); **B29C 65/1412** (2013.01); **B29C 65/16** (2013.01); **B29C 66/71** (2013.01); **B29L 2031/7148** (2013.01)

Designated contracting state (EPC)

BE DE FR GB

DOCDB simple family (publication)

**WO 8402321 A1 19840621**; CA 1219298 A 19870317; EP 0128904 A1 19841227; ES 526981 A0 19840901; ES 8407187 A1 19840901; ZA 837743 B 19840627

DOCDB simple family (application)

**US 8301567 W 19831006**; CA 443285 A 19831214; EP 83903653 A 19831006; ES 526981 A 19831102; ZA 837743 A 19831018