

Title (en)  
GLASS FRIT AND METHOD FOR SEALING GLASS SURFACES TOGETHER

Title (de)  
GLASFRTTE UND VERFAHREN ZUM VERSIEGELN VON GLASOBERFLÄCHEN

Title (fr)  
FRITTE DE VERRE ET PROCEDE SERVANT A SCELLER DES SURFACES DE VERRE L'UNE A L'AUTRE

Publication  
**EP 1517865 A1 20050330 (EN)**

Application  
**EP 03735904 A 20030612**

Priority  
• EP 03735904 A 20030612  
• EP 02077454 A 20020620  
• IB 0302730 W 20030612

Abstract (en)  
[origin: WO2004000745A1] Disclosed is a glass frit suitable for sealing glass surfaces together, said glass frit comprising lead oxide. The glass frit further comprises an oxidizing agent selected from the group of higher valent oxides comprising manganates (VII), manganates (VI) and ferrates (VI). Also described is a sealing glass paste comprising at least such a glass frit and a vehicle. Moreover a method for sealing two glass surfaces together is disclosed. Said method at least comprises the steps of:- providing a first and a second glass surface;- applying an amount of the above sealing glass paste on at least one of said surfaces;- placing the glass surfaces against each other with the sealing glass paste in-between;- subjecting the assembly of glass surfaces and sealing paste to a temperature sufficient to fuse the sealing glass paste on both glass surfaces, thereby sealing the two surfaces together; and- cooling the resulting sealed assembly.

IPC 1-7  
**C03C 8/14**; **C03C 8/24**; **C03C 27/06**

IPC 8 full level  
**C03C 8/10** (2006.01); **C03C 8/14** (2006.01); **C03C 8/16** (2006.01); **C03C 8/24** (2006.01); **C03C 27/06** (2006.01); **H01J 9/26** (2006.01)

CPC (source: EP)  
**C03C 3/04** (2013.01); **C03C 8/02** (2013.01); **C03C 8/14** (2013.01); **C03C 8/16** (2013.01); **C03C 8/245** (2013.01); **C03C 27/06** (2013.01)

Citation (search report)  
See references of WO 2004000745A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2004000745 A1 20031231**; AU 2003236995 A1 20040106; CN 1662461 A 20050831; EP 1517865 A1 20050330; JP 2005529836 A 20051006; TW 200404752 A 20040401

DOCDB simple family (application)  
**IB 0302730 W 20030612**; AU 2003236995 A 20030612; CN 03814214 A 20030612; EP 03735904 A 20030612; JP 2004515166 A 20030612; TW 92116419 A 20030617