

ASSIGNMENT

WHEREAS, WE,

Valérie COUSTET, citizen of France, residing at 12, rue Voltaire, F-95160 Montmorency, France;

Nicolas NADAUD, citizen of France, residing at 63, avenue Pasteur, F-94250 Gentilly, France;

Frédéric BARRIERES, citizen of France, residing at 190A, rue des Landes, F-78400 Chatou, France; and

Jean-Pierre BROCHOT, citizen of France, residing at 5, rue du Général de Maud'Huy, F-75014 Paris, France

ASSIGNORS, are the inventors of the invention in:

GLAZING PROVIDED WITH A STACK OF THIN LAYERS FOR SOLAR PROTECTION AND/OR HEAT INSULATION

for which we have executed an application for a Patent of the United States

- checkbox which is executed on even date herewith or
checkbox which is identified by Pennie & Edmonds LLP docket no. 3633-536-999
checkbox which was filed on June 11, 2003 as Application No. 10/450,162
checkbox We hereby authorize and request our attorney, , of Pennie & Edmonds, LLP, , to insert here in parentheses (Application number, filed) the filing date and application number of said application when known.

and WHEREAS, SAINT-GOBAIN GLASS FRANCE, ASSIGNEE, having a place of business at 18, avenue d'Alsace, F-92400 Courbevoie, France, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN WITNESS WHEREOF, the undersigned inventors have affixed their signatures.

1. Valérie COUSTET Inventor (type name) [Signature] Inventor (signature) 04/11/03 (Date)
Xavier FANTON Witness (type name) [Signature] Witness (signature) 04/11/03 (Date)

2. Nicolas NADAUD
Inventor (type name)

Nadaud
Inventor (signature)

05/11/03
(Date)

Françoise DRUART
Witness (type name)

Druart
Witness (signature)

05/11/03
(Date)

3. Frédéric BARRIERES
Inventor (type name)

Barrieres
Inventor (signature)

18-11-2003
(Date)

Françoise DRUART
Witness (type name)

Druart
Witness (signature)

18/11/2003
(Date)

4. Jean-Pierre BROCHOT
Inventor (type name)

J.P. Brochet
Inventor (signature)

13/11/03
(Date)

Françoise DRUART
Witness (type name)

Druart
Witness (signature)

13/11/2003
(Date)