

Title (en)  
LOW OVERPRESSURE SECURITY INSULTED GLAZING UNIT

Title (de)  
SCHUTZISOLIERVERGLASUNG MIT NIEDRIGEM ÜBERDRUCK

Title (fr)  
VITRAGE ISOLANT DE SÉCURITÉ POUR FAIBLE SURPRESSION

Publication  
**EP 3810881 A1 20210428 (EN)**

Application  
**EP 19732612 A 20190619**

Priority  
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Abstract (en)  
[origin: WO2019243436A1] The present invention concerns an insulating glazing unit (10) configured for resisting to an overpressure of a blast wave, Pr, equal to or greater than 50 kPa and lower than 100 kPa. Said insulating glazing unit extends along a plane, P, defined by a longitudinal axis, X, and a vertical axis, Z; has a width, W, measured along the longitudinal axis, X, and a length, L, measured along the vertical axis, Z, wherein the length, L, is equal to or greater than the width, W; and comprises a first glass pane (1) facing the blast wave, a second glass pane (2) and a spacer (3), maintaining a distance, D, between the first glass pane and the second glass pane. Within the insulating glazing unit, the length, L, is equal to or greater than 1.5 m and the width, W, is equal to or greater than 1.5 m; and the first glass pane has a flexural stiffness, K1, equal to or greater than 5.00 104 Nm.

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