

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

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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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