

Title (en)

A SOUNDPROOF GLASS UNIT COMPRISING A VISCOELASTIC ADHESIVE STRIP

Title (de)

SCHALLDICHTE GLASEINHEIT MIT EINEM VISKOELASTISCHEN KLEBESTREIFEN

Title (fr)

UNITÉ DE VERRE INSONORISÉE COMPORTANT UNE BANDE ADHÉSIVE VISCOÉLASTIQUE

Publication

EP 3978712 B1 20240612 (EN)

Application

EP 20199420 A 20200930

Priority

EP 20199420 A 20200930

Abstract (en)

[origin: EP3978712A1] A soundproof glass unit comprising at least one insulating glazing mounted in a framework and the framework mounted in a building frame in an opening of a building structure is disclosed. Viscoelastic adhesive strips are attached to the flanges of the insulating glazing for mounting in the framework and thereafter attached to the framework for mounting the framework in the building frame. The viscoelastic adhesive strip comprises at least one sound damping copolymer selected from the group consisting of vinyl acetate-olefin copolymer; terpolymers of vinyl acetate, olefin & vinyl ester monomer; terpolymers of vinyl acetate, vinyl ester & (meth)acrylate monomer; copolymer of vinyl acetate & acrylic monomer; or acrylic ester-styrene copolymer. The sound damping copolymer has a loss factor greater than 1.6 at a temperature at least in the range of -10° C to +70° C and at a frequency of 100Hz and a glass transition temperature that varies from -20° C to +25° C.

IPC 8 full level

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CPC (source: EP)

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