

Title (en)
SPACER WITH MOISTURE BARRIER

Title (de)
ABSTANDHALTER MIT FEUCHTIGKEITSBARRIERE

Title (fr)
ENTRETOISE AYANT UNE BARRIÈRE CONTRE L'HUMIDITÉ

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Application
EP 22765547 A 20220817

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Abstract (en)
[origin: WO2023025634A1] The invention relates to a spacer (I) for insulating glass units, said spacer comprising at least: - a polymeric hollow profile (1) comprising a first side wall (2.1) and a second side wall (2.2) arranged parallel thereto, and a glazing interior wall (3) which connects the side walls (2.1, 2.2) to one another; an outer wall (5) which is arranged substantially parallel to the glazing interior wall (3) and connects the side walls (2.1, 2.2) to one another; a cavity (8) which is enclosed by the side walls (2.1, 2.2), the glazing interior wall (3), and the outer wall (5); and a moisture barrier (20) on the first side wall (2.1), the outer wall (5), and on the second side wall (2.2) of the polymeric hollow body (1). The moisture barrier (20) comprises at least one first barrier layer (21) and a directly adjacent second barrier layer (22), both barrier layers being deposited via atomic layer deposition (ALD), the first barrier layer (21) and the second barrier layer (22) both having a thickness of a maximum 15nm, the first barrier layer (21) and the second barrier layer (22) being based, independently of each other on a nitride, oxide, sulphide or fluoride compound.

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