

Title (en)  
METHOD FOR COATING GLASS SURFACES

Publication  
**EP 0000420 B1 19811230 (DE)**

Application  
**EP 78200095 A 19780713**

Priority  
DE 2731776 A 19770714

Abstract (en)  
[origin: EP0000420A1] 1. A method for the coating of glass surfaces, especially glass bottles, in order to prevent the scattering of glass particles upon bursting, with a transparent, duroplastic protective coat of more than 50  $\mu\text{m}$  by depositing substances of polyisocyanates and hydroxy group-containing compounds as well as usual processing additives ; and hardening the overlay at elevated temperatures, wherein at first the clean glass surface is treated with an aqueous or an alcoholic silane skim coat, and dried, which comprises coating thereafter the so treated glass surface with a substance of aliphatic and/or cycloaliphatic diisocyanates or their reaction product with water is a mole ratio of 2 :  $\leq$  1 (component B) and a trifunctional, hydroxy group-containing polyester of an average molecular weight of 300-1400 derived from a omega-hydroxy carboxylic acid or lactone therefrom, containing at least 4 C-atoms ; and hardening said substance, wherein, if necessary, up to 90 wt.-% of the trifunctional polyester can be substituted by a bifunctional polyester of same structure from diols with an average molecular weight of 400-2000 (component A).

IPC 1-7  
**C03C 17/32**; **B65D 23/08**

IPC 8 full level  
**B65D 1/00** (2006.01); **B65D 23/08** (2006.01); **C03C 17/32** (2006.01); **C03C 17/34** (2006.01); **C08G 18/42** (2006.01); **C08G 18/75** (2006.01); **C08G 18/80** (2006.01)

CPC (source: EP)  
**B65D 23/0814** (2013.01); **C03C 17/3405** (2013.01); **C08G 18/4266** (2013.01); **C08G 18/755** (2013.01); **C08G 18/8045** (2013.01)

Cited by  
EP0025994A3; EP2141185A4; EP0524881A3; FR2574396A1; EP0190517A1; DE3008096A1

Designated contracting state (EPC)  
BE CH DE FR GB LU NL

DOCDB simple family (publication)  
**EP 0000420 A1 19790124**; **EP 0000420 B1 19811230**; DE 2731776 A1 19790201; DE 2861464 D1 19820218; JP S5418823 A 19790213

DOCDB simple family (application)  
**EP 78200095 A 19780713**; DE 2731776 A 19770714; DE 2861464 T 19780713; JP 8600678 A 19780714