

Title (en)  
Cross-shaped spacer

Title (de)  
Fugenkreuz

Title (fr)  
Entretoise en croix

Publication  
**EP 1059398 B1 20050316 (DE)**

Application  
**EP 99110941 A 19990607**

Priority  
EP 99110941 A 19990607

Abstract (en)  
[origin: EP1059398A1] The joining cross has at least three arms (1,2, 3) projecting at angles from each other in a common foot area and with at least one of the arms having a hollowed area (10) which can be used to form a push-fit connection with another joining cross which can have a corresponding projection. The projection (12) has a suitable cross-sectional shape for fitting with friction engagement in the hollowed area.

IPC 1-7  
**E04F 21/00**

IPC 8 full level  
**E04F 21/00** (2006.01)

CPC (source: EP)  
**E04F 21/0092** (2013.01)

Cited by  
CN111433423A; JP2020537071A; USD848820S; USD832723S; USD880319S

Designated contracting state (EPC)  
AT DE ES FR GB IT NL SE

DOCDB simple family (publication)  
**EP 1059398 A1 20001213; EP 1059398 B1 20050316**; AT E291137 T1 20050415; DE 59911765 D1 20050421

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**EP 99110941 A 19990607**; AT 99110941 T 19990607; DE 59911765 T 19990607