

Title (en)  
DOOR HANDLE JOINING

Publication  
**EP 0235385 B1 19890712 (DE)**

Application  
**EP 86117499 A 19861216**

Priority  
DE 8605427 U 19860228

Abstract (en)  
[origin: EP0235385A2] 1. Door handle assembly comprising two door handles (10, 10') each with a neck (12, 12') having a square pocket hole for positively receiving a connecting bolt (14) made up of two half-square spindles (14a, 14b) of identical profiles and substantially rectangular cross section, off-center longitudinal grooves (34a, 34b) extending over the whole length of either half-square spindles so as to face each other along collar edges (32a, 32b) between which a thrust portion (22) of a setscrew (20), that is thread-connected with a radial tap-hole (18) of the handle neck, is adapted to be pressed for wedging the half-square spindles (14a, 14b) in the square pocket hole, wherein the longitudinal grooves (34a, 34b), which are channelled at least approximately rectangular near the collar edge (32a, 32b) of either half-square spindle (14a, 14b), have a lower or inner transition by way of a bezel (36) or a camber to outer areas (38) facing each other and being flush with the collar edges (32a, 32b), and wherein the setscrew (20), which is pointed and in particular provided with a cone point (26), includes an enlargement (24) formed as a mandrel, bead or the like that will back up collar edge material which is cold-worked and laterally displaced as the setscrew is screwed in.

IPC 1-7  
**E05B 3/00**

IPC 8 full level  
**E05B 3/00** (2006.01); **E05B 3/10** (2006.01)

CPC (source: EP)  
**E05B 3/10** (2013.01)

Citation (examination)  
CH 538058 A 19730615 - HESO AG [CH]

Cited by  
US7686357B2

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DOCDB simple family (publication)  
**EP 0235385 A2 19870909; EP 0235385 A3 19880330; EP 0235385 B1 19890712**; AT E44574 T1 19890715; DE 3664357 D1 19890817; DE 8605427 U1 19861211; ES 2009776 B3 19891016; GR 3000180 T3 19901231

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