

Title (en)  
A drawer interlock system.

Title (de)  
Auszugssperre für Schubladenschrank.

Title (fr)  
Dispositif pour empêcher l'ouverture simultanée de tiroirs.

Publication  
**EP 0537002 A1 19930414 (EN)**

Application  
**EP 92309178 A 19921008**

Priority  
GB 9121338 A 19911009

Abstract (en)  
A drawer interlock system has, for each drawer, a pair of plungers (7,8) mounted inside the cabinet (1) and a cam-detent block (25) mounted on the drawer for co-operation with the plungers as the drawer is opened and closed. A first set of plungers (7) engage one side of a tilting actuator (4) fitted between the drawer slide mechanisms (19) and the outer wall of the cabinet (1) and the second set of plungers (8) engage the other side of this actuator so that, depending on its tilt, either one set or the other set of plungers projects while the other is retracted. With all the drawers closed, the second set projects, but when any drawer is opened its cam (27) wedges the projecting plunger (8) to the retracted position, tilting the actuator (4) and causing the other set of plungers (7) to project. For all but the opened drawer, these plungers (7) then engage the associated detents (28) and lock those closed drawers. When the opened drawer is closed again, its cam (26) wedges the idle locking plunger (7) to the retracted position, all the other plungers (7,8) switching in consequence. The second set of plungers (8) could be replaced by switches triggering electrical operation of the actuator. <IMAGE>

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CPC (source: EP)  
**E05B 65/465** (2013.01)

Citation (search report)  
• [X] DE 2553424 A1 19770608 - ZELENKA STAHLBAU OHG  
• [A] DE 2939575 A1 19810402 - HUWIL WERKE GMBH  
• [A] FR 2560022 A1 19850830 - TIRO CLAS [FR]

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