

Title (en)  
AN IMPROVED HANDLE LOCK ASSEMBLY

Title (de)  
VERBESSERTE GRIFFVERRIEGELUNGSANORDNUNG

Title (fr)  
ENSEMBLE DE VERROUILLAGE DE POIGNÉE AMÉLIORÉ

Publication  
**EP 4206423 A1 20230705 (EN)**

Application  
**EP 21218412 A 20211230**

Priority  
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Abstract (en)  
The invention relates to a handle lock assembly (100) for a cabinet or box door, the handle lock assembly (100) comprising a main body (20) having a handle housing (22) extending along a longitudinal axis (X) of the handle lock assembly (100); a handle (30) provided within the handle housing (22) and adapted to move between an unlocked position in which the handle (30) is lifted from the handle housing (22) and a locked position in which the handle (30) is substantially within the handle housing (22); a lock plug (40) provided at a lock plug housing (37) of the handle (30), having a spring-biased lock cam (36) adapted to lock the handle (30) within the handle housing (22) in the locked position; and a base plate (10) attached to the main body (20) for forming the bottom of the handle lock assembly (100). Said handle lock assembly (100) further comprises: at least one geared portion (32) formed on the handle (30), being rotatable within the main body (20) when the handle (30) is lifted; a movable member (13) having a toothed portion (13a) for engaging the geared portion (32) of the handle (30) so as to convert a rotational movement from the handle to a linear movement; a rack gear (14) in mechanical communication and movable by the movable member (13); and a pinion gear (15) being rotatable by the movement of the rack gear (14) wherein the pinion gear (15) is attached to a rotatable transmission bar (16).

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Citation (applicant)  
EP 2476825 A2 20120718 - MESAN KILIT VE YEDEK PARCA SAN TIC LTD STI [TR]

Citation (search report)  
• [XAI] TR 201904289 U5 20201021 - MESAN KILIT ANONIM SIRKETI [TR]  
• [XA] DE 20107170 U1 20020829 - RAMSAUER DIETER [DE]  
• [A] CN 103114778 B 20141119 - BEIJING XINLI CREATE ELECTRONIC EQUIPMENT CO LTD

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