

Title (en)  
Hand lever

Title (de)  
Handhebel

Title (fr)  
Levier à main

Publication  
**EP 1211585 A3 20031029 (DE)**

Application  
**EP 01124013 A 20011009**

Priority  
DE 20020296 U 20001130

Abstract (en)  
[origin: US2002062711A1] A hand lever includes a sleeve-shaped member having an inwardly protruding projection, a fastening element having a stop interacting with the projection, wherein the fastening element is mounted in the sleeve-shaped member so as to be longitudinally slidable to a limited extent, and coupling elements for axially coupling the hand lever and fastening element so as to be nonrotatable relative to the each other. A spring is mounted in the sleeve-shaped member for an axially engageable and disengageable coupling of the hand lever and the fastening element. The fastening element has an integrally formed extension part extending past the projection of the sleeve-shaped member into the sleeve-shaped member. A second support is provided for the spring and the stop of the fastening element or the extension part. At least one of the sleeve-shaped member and the extension part is of a resilient material.

IPC 1-7  
**G05G 1/08**

IPC 8 full level  
**F02D 11/02** (2006.01); **B25B 13/46** (2006.01); **G05G 1/00** (2006.01); **G05G 1/04** (2006.01); **G05G 1/08** (2006.01)

CPC (source: EP US)  
**B25B 13/466** (2013.01 - EP US); **G05G 1/04** (2013.01 - EP US); **G05G 1/503** (2013.01 - EP US); **Y10T 74/20612** (2015.01 - EP US); **Y10T 74/20624** (2015.01 - EP US); **Y10T 74/20666** (2015.01 - EP US)

Citation (search report)

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- [A] US 2899841 A 19590818
- [A] US 2797592 A 19570702 - MARRAPESE MARIUS W

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Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**US 2002062711 A1 20020530; US 6776066 B2 20040817**; AT E300061 T1 20050815; DE 20020296 U1 20010222; DE 50106773 D1 20050825; EP 1211585 A2 20020605; EP 1211585 A3 20031029; EP 1211585 B1 20050720; ES 2242695 T3 20051116; JP 2002202825 A 20020719; JP 4190755 B2 20081203

DOCDB simple family (application)  
**US 99707801 A 20011129**; AT 01124013 T 20011009; DE 20020296 U 20001130; DE 50106773 T 20011009; EP 01124013 A 20011009; ES 01124013 T 20011009; JP 2001361432 A 20011127