

Title (en)  
HUMAN-MACHINE INTERFACE

Title (de)  
MENSCH-MASCHINE-SCHNITTSTELLE

Title (fr)  
INTERFACE HOMME-MACHINE

Publication  
**EP 4127857 A1 20230208 (FR)**

Application  
**EP 21704594 A 20210217**

Priority  
• FR 2003046 A 20200327  
• EP 2021053901 W 20210217

Abstract (en)  
[origin: WO2021190826A1] A human-machine interface comprising a mechanism for returning an instrument (4) to its neutral position. The return mechanism comprises a rocker (50) suspended on first and second springs (52, 54). Said rocker is rotatably moveable about a second axis (86) and comprises a first and a second wing (60, 80), each located on a respective side of a median plane containing a first axis (10) rotating the instrument (4). Said first and second wings each comprise first and second areas, respectively, for receiving one end of the first and second springs, the orthogonal projection of the second receiving area, in a plane containing the first and second axes (10, 86), being entirely located between the first and second axes.

IPC 8 full level  
**G05G 5/05** (2006.01); **G05G 1/04** (2006.01); **H01H 23/00** (2006.01)

CPC (source: EP US)  
**G05G 1/04** (2013.01 - US); **G05G 5/05** (2013.01 - EP US); **H01H 23/30** (2013.01 - US); **G05G 1/04** (2013.01 - EP); **G05G 2505/00** (2013.01 - US); **H01H 23/30** (2013.01 - EP)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**WO 2021190826 A1 20210930**; BR 112022019340 A2 20221129; CA 3173627 A1 20210930; CN 115668094 A 20230131; EP 4127857 A1 20230208; EP 4127857 B1 20240320; EP 4127857 C0 20240320; FR 3108773 A1 20211001; FR 3108773 B1 20221216; US 12019463 B2 20240625; US 2023350448 A1 20231102

DOCDB simple family (application)  
**EP 2021053901 W 20210217**; BR 112022019340 A 20210217; CA 3173627 A 20210217; CN 202180038371 A 20210217; EP 21704594 A 20210217; FR 2003046 A 20200327; US 202117907513 A 20210217