

Title (en)  
SEALED REVERSE-FORWARD LEVER

Title (de)  
ABGEDICHTETER RÜCKWÄRTS-VORWÄRTS-HEBEL

Title (fr)  
LEVIER DE MARCHE ARRIÈRE ÉTANCHE

Publication  
**EP 3639108 A4 20210707 (EN)**

Application  
**EP 18871125 A 20181004**

Priority  
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• TR 2018000101 W 20181004

Abstract (en)  
[origin: WO2019083470A2] The invention relates to a reverse-forward lever (1) with sealing properties used at the engineering vehicles, tractors and agricultural vehicles, forklifts and other automotive sector. A sealed reverse-forward lever (1), characterized in that; it is a reverse-forward lever (1) that achieves maximum sealing as the bellows (2) system designed on the basis of the sealing problems is compressed between the reverse-forward lever external box (3) and the aesthetic protective lid (4).

IPC 8 full level  
**G05G 25/04** (2006.01); **B66F 9/075** (2006.01); **E02F 9/20** (2006.01); **F16H 59/02** (2006.01); **G05G 1/04** (2006.01); **G05G 9/047** (2006.01)

CPC (source: EP)  
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Citation (search report)  
• [X] JP S6367338 U 19880506  
• [X] US 2011284785 A1 20111124 - YOSHIMOTO MITSUHIRO [JP], et al  
• [X] US 4855704 A 19890808 - BETZ MANFRED [DE]  
• [X] JP S5233837 U 19770310  
• [X] WO 2017009721 A1 20170119 - PIZZATO ELETTRICA SRL [IT]  
• [A] FR 2868996 A1 20051021 - BOURBON AUTOMOBILE SOC PAR ACT [FR]  
• [A] US 9481979 B2 20161101 - HIRAOKA YUKIO [JP], et al  
• See references of WO 2019083470A2

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

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BA ME

DOCDB simple family (publication)  
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