

Title (en)  
ROTARY KNOB WITH NOISELESS FEEDBACK

Title (de)  
DREHKNOPF MIT GERÄUSCHLOSER RÜCKMELDUNG

Title (fr)  
BOUTON ROTATIF AVEC RÉTROACTION SILENCIEUSE

Publication  
**EP 3521966 A1 20190807 (EN)**

Application  
**EP 18154359 A 20180131**

Priority  
EP 18154359 A 20180131

Abstract (en)  
A rotary knob (10) comprises a base (12), a cylindrical core (14) attached to the base and defining a rotational axis, a bearing (16) supported on the core, a grip portion (18) supported by the bearing for rotation about the rotational axis (A), conversion means (20) for converting the rotary movement of the grip portion into an output signal, and a feedback device for providing haptic feedback to the user via the grip portion and comprising a detent ring (19) configured for rotation with the grip portion about the rotational axis and resilient means configured to engage the detent ring.

IPC 8 full level  
**G05G 1/08** (2006.01); **G05G 5/03** (2008.04); **G05G 5/06** (2006.01)

CPC (source: EP)  
**G05G 1/08** (2013.01); **G05G 5/065** (2013.01); **G05G 5/03** (2013.01)

Citation (search report)

- [XAI] US 2009095614 A1 20090416 - MIURA SEIKI [JP], et al
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- [XA] DE 102005056992 A1 20070531 - KOSTAL LEOPOLD GMBH & CO KG [DE]
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- [XAY] WO 2008129974 A1 20081030 - AUTONETWORKS TECHNOLOGIES LTD [JP], et al
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- [A] DE 202014011130 U1 20180114 - TRW AUTOMOTIVE ELECT & COMPONENTS GMBH [DE]

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

DOCDB simple family (publication)  
**EP 3521966 A1 20190807**

DOCDB simple family (application)  
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