

Title (en)
GEARBOX CONTROL MODULE WITH OIL-RESISTANT CONDUCTOR PATHS

Title (de)
GETRIEBESTEUERMODUL MIT ÖL-RESISTENTEN LEITERBAHNEN

Title (fr)
MODULE DE COMMANDE DE BOÎTE DE VITESSES POURVU DE PISTES CONDUCTRICES RÉSISTANT À L'HUILE

Publication
EP 2807405 A1 20141203 (DE)

Application
EP 12813807 A 20121218

Priority
• DE 102012201014 A 20120124
• EP 2012075949 W 20121218

Abstract (en)
[origin: WO2013110416A1] The invention relates to a gearbox control unit (1) for a motor vehicle. Electrical components (7, 9, 11) are used for implementing a gearbox control function and are interconnected by means of conductor paths (5). According to the invention, the conductor paths (5) are made substantially of an electrically conductive material other than copper. By replacing conductor paths containing copper with different electrically conductive conductor paths, such as those made of an electrically conductive plastic or from nickel, gold, tin, silver or palladium, contact with chemically aggressive gearbox oil, for example, that corrodes the conductor paths, and a subsequent malfunction of the gearbox control unit, is prevented.

IPC 8 full level
F16H 61/00 (2006.01); **H05K 5/00** (2006.01)

CPC (source: CN EP)
H05K 1/09 (2013.01 - CN EP); **H05K 5/0078** (2013.01 - CN); **H05K 5/0082** (2013.01 - EP); **F16H 61/0006** (2013.01 - CN EP)

Citation (search report)
See references of WO 2013110416A1

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

DOCDB simple family (publication)
DE 102012201014 A1 20130725; CN 104067030 A 20140924; CN 104067030 B 20170517; EP 2807405 A1 20141203;
KR 20140124363 A 20141024; WO 2013110416 A1 20130801

DOCDB simple family (application)
DE 102012201014 A 20120124; CN 201280067856 A 20121218; EP 12813807 A 20121218; EP 2012075949 W 20121218;
KR 20147020480 A 20121218