

Title (en)
DISTANCE SENSOR DEVICE

Title (de)
ABSTANDSSENSORVORRICHTUNG

Title (fr)
DETECTEUR DE DISTANCE

Publication
EP 1248956 A1 20021016 (DE)

Application
EP 00991564 A 20001222

Priority
• DE 0004618 W 20001222
• DE 19963755 A 19991230

Abstract (en)
[origin: US2003128137A1] A distance sensor device is described, in particular as a component of a parking aid or reversing aid for a motor vehicle, having one or more distance sensors (US, muW) and a distance sensor control device (US-SG) for the purpose of activating the distance sensor or sensors (US, muW) via a respective signal line using an activation pulse that is preferably quasi-digital and time-analog. At least one of the distance sensors (US, muW) has two different modes of operation. It is possible to perform switchover between the modes of operation by varying the duration and/or amplitude of the activation from the distance sensor control device (US-SG).

IPC 1-7
G01S 13/93; **G01S 15/93**

IPC 8 full level
B60Q 1/48 (2006.01); **G01S 13/86** (2006.01); **G01S 13/93** (2006.01); **G01S 13/931** (2020.01); **G01S 15/93** (2006.01); **G01S 15/931** (2020.01)

CPC (source: EP US)
B60Q 9/006 (2013.01 - EP US); **G01S 13/862** (2013.01 - EP US); **G01S 13/931** (2013.01 - EP US); **G01S 15/931** (2013.01 - EP US); **H04L 69/28** (2013.01 - EP US); **B60T 2201/10** (2013.01 - EP US); **G01S 2013/9314** (2013.01 - EP US); **G01S 2013/9317** (2013.01 - EP US); **G01S 2013/9324** (2020.01 - EP US); **H04L 67/12** (2013.01 - EP US)

Citation (search report)
See references of WO 0150153A1

Citation (examination)
• US 5587824 A 19961224 - ASPREY ROBERT R [US]
• WO 0043970 A1 20000727 - BOSCH GMBH ROBERT [DE], et al
• EP 0102074 A2 19840307 - HITACHI LTD [JP]
• US 5065370 A 19911112 - RIZKOWSKI KEITH S [US], et al

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