

Title (en)  
SYSTEM FOR MONITORING THE SURROUNDINGS OF A MOTOR VEHICLE

Title (de)  
SYSTEM ZUR ÜBERWACHUNG DER UMGEBUNG EINES KRAFTFAHRZEUGES

Title (fr)  
SURVEILLANCE DE L'ENVIRONNEMENT D'UN VÉHICULE À MOTEUR

Publication  
**EP 4074026 A1 20221019 (DE)**

Application  
**EP 20817367 A 20201207**

Priority

- EP 19214486 A 20191209
- EP 2020084884 W 20201207

Abstract (en)  
[origin: WO2021116019A1] The invention relates to a system (1) for monitoring the surroundings of a motor vehicle (100), in particular an autonomous or partially autonomous motor vehicle, wherein the system (1) comprises at least one optical image capturing device (2) and also an illumination device (3, 4), wherein the optical image capturing device (2) is designed to capture images of a capture region (E1) of the surroundings, and wherein the capture region (E1) can be illuminated at least partially, preferably completely, by the illumination device (3, 4), and wherein the illumination device (3, 4) is designed to generate a motor vehicle light distribution or a part of a motor vehicle light distribution. The system (1) comprises at least one optical additional image capturing device (5) which is designed to capture images of a so-called additional capture region (E2), and wherein the system (1) also comprises an additional illumination device (6) which is designed to illuminate the additional capture region (E2), also referred to as a second capture region, at least partially, preferably completely.

IPC 8 full level  
**H04N 7/18** (2006.01)

CPC (source: EP KR US)  
**B60Q 1/0023** (2013.01 - EP KR US); **B60Q 1/18** (2013.01 - KR); **B60Q 1/249** (2022.05 - KR); **B60R 11/04** (2013.01 - EP KR); **G01S 13/867** (2013.01 - EP KR US); **G01S 13/89** (2013.01 - US); **G01S 13/931** (2013.01 - EP KR US); **G01S 17/86** (2020.01 - US); **G01S 17/931** (2020.01 - EP KR); **H04N 7/181** (2013.01 - EP KR); **H04N 23/56** (2023.01 - US); **H04N 23/90** (2023.01 - US); **B60Q 1/1415** (2013.01 - US); **B60Q 1/18** (2013.01 - EP); **B60Q 2800/10** (2022.05 - KR); **B60R 2300/103** (2013.01 - EP KR); **B60R 2300/105** (2013.01 - EP KR); **B60R 2300/301** (2013.01 - EP KR); **B60W 60/001** (2020.02 - US); **B60W 2420/403** (2013.01 - US); **B60W 2420/408** (2024.01 - US); **G01S 17/89** (2013.01 - US); **G01S 17/931** (2020.01 - US); **G01S 2013/93277** (2020.01 - EP KR)

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 3836537 A1 20210616**; CN 114762325 A 20220715; EP 4074026 A1 20221019; JP 2023505027 A 20230208; JP 7400102 B2 20231218; KR 20220066353 A 20220524; US 2022417448 A1 20221229; WO 2021116019 A1 20210617

DOCDB simple family (application)  
**EP 19214486 A 20191209**; CN 202080085314 A 20201207; EP 2020084884 W 20201207; EP 20817367 A 20201207; JP 2022529963 A 20201207; KR 20227013230 A 20201207; US 202017777503 A 20201207