Title (en)

THERMOPLASTIC COMPOSITINO FOR LIDAR SENSOR SYSTEM WITH IMPROVED ABSORPTION PROPERTIES

Title (de)

THERMOPLASTISCHE ZUSAMMENSETZUNG FÜR LIDAR-SENSORSYSTEM MIT VERBESSERTEN ABSORPTIONSEIGENSCHAFTEN

Title (fr)

COMPOSITION THERMOPLASTIQUE DESTINÉE À UN SYSTÈME DE CAPTEUR LIDAR PRÉSENTANT DES PROPRIÉTÉS D'ABSORPTION AMÉLIORÉES

Publication

EP 4058821 A1 20220921 (DE)

Application

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Priority

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Abstract (en)

[origin: WO2021094248A1] The invention relates to a sensor system comprising a LiDAR unit having a transmitter for laser light having a wavelength of between 900 nm to 1600 nm and a receiver for light over a wavelength range of between 800 nm to 1600 nm and at least partially below the working wavelength of the LiDAR sensor, and a cover having a substrate layer made from a thermoplastic material which is arranged so that IR light emitted from and received by the LiDAR unit passes through the cover.

IPC 8 full level

G01S 7/481 (2006.01); **C08K 5/00** (2006.01); **C08L 33/12** (2006.01); **G02B 5/20** (2006.01)

CPC (source: EP KR US)

C08K 5/0041 (2013.01 - EP KR US); **C08K 5/18** (2013.01 - KR US); **C08K 5/3432** (2013.01 - KR US); **C08K 5/3465** (2013.01 - KR US); **C08L 33/12** (2013.01 - KR US); **C08L 69/00** (2013.01 - KR US); **G01S 7/4811** (2013.01 - US); **G01S 7/4813** (2013.01 - EP KR); **G01S 7/4814** (2013.01 - US); **G01S 17/931** (2020.01 - KR US); **G02B 5/003** (2013.01 - US); **G02B 5/208** (2013.01 - KR); G01S 17/931 (2020.01 - EP); G02B 5/208 (2013.01 - EP)

Citation (search report)

See references of WO 2021094248A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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