

Title (en)
PLANAR LOAD CELL ASSEMBLY

Title (de)
PLANARE LASTZELLENANORDNUNG

Title (fr)
ENSEMBLE CELLULE DE CHARGE PLANAIRE

Publication
EP 3990874 A4 20230222 (EN)

Application
EP 20830831 A 20200619

Priority
• IB 2020055761 W 20200619
• GB 201909216 A 20190626

Abstract (en)
[origin: WO2020261075A1] An assembly including a load cell body having contiguous cutout windows, each formed by a pair of cutout lines and connected by a cutout base, the second window being transversely bounded by the first window,; measuring beams, disposed generally along edges of the body, each defined by a respective line of the first pair of cutout lines; first and second arrangements, each having a pair of flexure beams connected by first and second bases, respectively; a loading element, extending from the second base; and strain gages, attached to the beams, and a transverse flexural arrangement.

IPC 8 full level
G01G 3/14 (2006.01); **G01G 9/00** (2006.01); **G01L 1/04** (2006.01); **G01L 1/26** (2006.01)

CPC (source: EP IL)
G01G 3/141 (2013.01 - EP IL); **G01L 1/2243** (2013.01 - EP IL); **G01L 1/26** (2013.01 - EP IL)

Citation (search report)
• [Y] US 6555767 B1 20030429 - LOCKERY HARRY E [US], et al
• [Y] US 2005061553 A1 20050324 - WANG DAG T [NO], et al
• See references of WO 2020261075A1

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)
WO 2020261075 A1 20201230; AU 2020307463 A1 20220127; CN 114514415 A 20220517; EP 3990874 A1 20220504;
EP 3990874 A4 20230222; GB 201909216 D0 20190807; IL 289191 A 20220201

DOCDB simple family (application)
IB 2020055761 W 20200619; AU 2020307463 A 20200619; CN 202080054390 A 20200619; EP 20830831 A 20200619;
GB 201909216 A 20190626; IL 28919121 A 20211220