

Title (en)
METHOD AND APPARATUS FOR SENSING SEAT OCCUPANT WEIGHT

Title (de)
VERFAHREN UND VORRICHTUNG ZUM ERMITTELN DES GEWICHTES EINES SITZINSASSEN

Title (fr)
PROCEDE ET DISPOSITIF POUR LA DETECTION DU POIDS D'UN OCCUPANT DE SIEGE

Publication
EP 1156944 A1 20011128 (EN)

Application
EP 00910291 A 20000223

Priority
• US 0004558 W 20000223
• US 12063799 P 19990224

Abstract (en)
[origin: WO0050255A1] A system for measuring the weight of a seat occupant is used to control airbag deployment. The system is incorporated into a vehicle seat supported on inboard (26A) and outboard track (26B) assemblies. The inboard and outboard track assemblies are mounted to a vehicle structure such that a center track portion remains unsupported. A first sensor assembly (38, 40) is mounted to the inboard track (26A) assembly and a second sensor (58, 60) assembly is mounted to the outboard track (26B) assembly. The first sensor assembly generates a first signal in response to measuring deflection of the inboard track assembly due to seat occupant weight. The second sensor assembly generates a second signal in response to measuring deflection of the outboard track assembly due to seat occupant weight. A central processor (66) determines seat occupant weight based on the first and second signals. The central processor (66) communicates with the airbag system (70) to control the deployment of the airbag based on seat occupant weight.

IPC 1-7
B60N 2/00; **B60R 21/00**

IPC 8 full level
B60N 2/00 (2006.01); **B60R 21/01** (2006.01); **B60R 21/015** (2006.01)

CPC (source: EP KR)
B60N 2/0024 (2023.08 - EP); **B60N 2/0025** (2023.08 - EP KR); **B60N 2/0027** (2023.08 - EP); **B60N 2/0031** (2023.08 - EP KR);
B60R 21/01516 (2014.10 - EP KR); **B60R 21/0152** (2014.10 - EP); **B60N 2210/42** (2023.08 - EP KR)

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 0050255 A1 20000831; BR 0008484 A 20020129; CN 1341061 A 20020320; EP 1156944 A1 20011128; JP 2002537174 A 20021105; KR 20020005594 A 20020117

DOCDB simple family (application)
US 0004558 W 20000223; BR 0008484 A 20000223; CN 00804066 A 20000223; EP 00910291 A 20000223; JP 2000600852 A 20000223; KR 20017010659 A 20010822