

Title (en)
LOW PRESSURE WARNING SYSTEM (LPWS) FOR PNEUMATIC TIRES

Title (de)
REIFENUNTERDRUCK- WARNEINRICHTUNG

Title (fr)
SYSTEME AVERTISSEUR DE PRESSION INSUFFISANTE DESTINE AUX PNEUS

Publication
EP 1220756 A1 20020710 (EN)

Application
EP 99949659 A 19990915

Priority
US 9921198 W 19990915

Abstract (en)
[origin: WO0119626A1] Method and apparatus (200) for monitoring vehicle tire pressure and warning the driver when a low tire inflation pressure condition occurs includes transponder tags (220a..220d, 300, 300a) and associated sensors (e.g., pressure, temperature) for each tire and a monitor (230a..230d, 400) disposed in close proximity to each tire (204a..204d). In this manner, a low-powered radio transmission can take place between each tire tag and an associated one of the monitors. Each monitor is connected to a vehicle data bus (206, 430) for communicating, preferably bi-directionally, with a computer (208), and a central display (212) provides visual (or audible) warnings to the operator of the vehicle. The system is simple in operation, economical to manufacture, easy to install, and highly reliable, and conforms to standards established for heavy vehicles, and can be used on passenger car applications as well.

IPC 1-7
B60C 23/04; **B60C 23/20**

IPC 8 full level
B60C 23/02 (2006.01); **B60C 23/04** (2006.01); **B60C 23/20** (2006.01); **G01L 17/00** (2006.01)

CPC (source: EP)
B60C 23/0433 (2013.01); **B60C 23/20** (2013.01)

Citation (search report)
See references of WO 0119626A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 0119626 A1 20010322; AU 6248999 A 20010417; EP 1220756 A1 20020710; JP 2003509260 A 20030311

DOCDB simple family (application)
US 9921198 W 19990915; AU 6248999 A 19990915; EP 99949659 A 19990915; JP 2001523232 A 19990915