

Title (en)
BELT ASSEMBLY MONITORING SYSTEM

Title (de)
BANDANORDNUNGSÜBERWACHUNGSEINRICHTUNG

Title (fr)
SYSTEME DE CONTROLE D'ENSEMBLE A COURROIE

Publication
EP 1581788 A1 20051005 (EN)

Application
EP 03782673 A 20031219

Priority
• GB 0305614 W 20031219
• GB 0300306 A 20030107

Abstract (en)
[origin: GB2397129A] In a pulley and belt system, sensors (15, 16) are arranged to detect vibrations in spans (51, 52) of a belt (10) moving around pulleys (11, 12). An external excitation is applied to the belt via a device (13) with a movable piston (14). Signals from vibrations induced in the belt spans are sent to a data processing unit (17) where they are collated and interpreted to give an analysis of belt and/or pulley condition (e.g. belt tension).

IPC 1-7
G01L 5/04

IPC 8 full level
G01L 5/04 (2006.01)

CPC (source: EP)
G01L 5/042 (2013.01)

Citation (search report)
See references of WO 2004061402A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
GB 0300306 D0 20030205; GB 2397129 A 20040714; AU 2003290314 A1 20040729; EP 1581788 A1 20051005; WO 2004061402 A1 20040722

DOCDB simple family (application)
GB 0300306 A 20030107; AU 2003290314 A 20031219; EP 03782673 A 20031219; GB 0305614 W 20031219