

Title (en)  
PROVISION OF FEEDBACK TO AN OPERATOR OF A MINING VEHICLE

Title (de)  
BEREITSTELLUNG VON FEEDBACK AN EINEN BEDIENER EINES BERGBAUFahrzeugs

Title (fr)  
FOURNITURE DE RÉTROACTION À UN OPÉRATEUR D'UN VÉHICULE MINIER

Publication  
EP 4411080 A1 20240807 (EN)

Application  
EP 23154320 A 20230131

Priority  
EP 23154320 A 20230131

Abstract (en)  
According to an aspect, an apparatus for a mining vehicle may be configured to obtain, from at least one memory, mining vehicle reference performance data; obtain first machine control data associated with the mining vehicle, when an operator operates the mining vehicle; compare the first machine control data associated with the mining vehicle to the mining vehicle reference performance data to detect at least one first deviation from the mining vehicle reference performance data; and provide a first feedback to the operator in response to detecting the at least one first deviation from the mining vehicle reference performance data.

IPC 8 full level  
E02F 9/26 (2006.01)

CPC (source: EP)  
E02F 9/2054 (2013.01); E02F 9/267 (2013.01)

Citation (search report)  
• [XA] US 2015004572 A1 20150101 - BOMER BRADLEY K [US], et al  
• [X] DE 102019207141 A1 20201119 - BOSCH GMBH ROBERT [DE]  
• [X] EP 4079976 A1 20221026 - KOMATSU MFG CO LTD [JP]  
• [A] US 2016078391 A1 20160317 - BLANK SEBASTIAN [DE], et al

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
EP 4411080 A1 20240807; WO 2024160771 A1 20240808

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EP 23154320 A 20230131; EP 2024052154 W 20240130