

Title (en)

Safety systems for coal pulverizing mills.

Title (de)

Sicherheitssysteme für Kohlenpulverisiermühlen.

Title (fr)

Systèmes de sécurité pour broyeurs pulvérisateurs à charbon.

Publication

**EP 0244074 A2 19871104 (EN)**

Application

**EP 87302255 A 19870317**

Priority

US 85770086 A 19860429

Abstract (en)

A safety control system (10) for a coal pulverizing mill (14) utilizes measurements (22, 24) of the net oxygen level and the carbon monoxide equivalent (COe) level of the combustible gases within the pulverizing mill. First levels of the net oxygen and the rate of carbon monoxide equivalent change in the pulverizing mill (14) are utilized in a control logic arrangement (20) to actuate alarms (28, 30). Second levels of the net oxygen and the carbon monoxide equivalent (COe) level in the pulverizing mill (14) are utilized to accomplish inerting of the mill.

IPC 1-7

**B02C 23/04**

IPC 8 full level

**B02C 23/04** (2006.01); **B02C 23/24** (2006.01)

CPC (source: EP KR)

**B02C 23/04** (2013.01 - EP KR); **B02C 23/24** (2013.01 - EP)

Cited by

KR100868440B1; KR100460658B1; DE102011112741B4; CN104049563A; CN106964474A; EP0978318A1; FR2782023A1; CN104152196A; CN107797965A; CN112536145A; CN115301391A; US6311904B1; US9494319B2

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