

Title (en)  
SAFETY SYSTEMS FOR COAL PULVERIZERS

Publication  
**EP 0132974 B1 19890301 (EN)**

Application  
**EP 84304640 A 19840706**

Priority  
US 51935283 A 19830801

Abstract (en)  
[origin: EP0132974A2] A safety control system for a coal pulverizer utilizes signals (20,22) representing net oxygen and carbon monoxide measurements of the pulverizer atmosphere. A signal (50) representing the rate of carbon monoxide change is derived from the signal (22) by a derivative controller (48). The signals (20,50) representing the net oxygen measurement and rate of carbon monoxide change are compared in respective comparing means (36,52) with respective setpoints (38,54) to generate control signals (46,62) for actuating alarms (26,28). The pulverized oxygen and actual carbon monoxide signals (20,22) are compared in respective comparing means (64,88) with respective setpoints (66,90) to generate control signals (74,98) for causing automatic inerting of the pulverizer by supplying carbon dioxide thereto.

IPC 1-7  
**B02C 23/04**; **G01N 33/00**

IPC 8 full level  
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CPC (source: EP KR)  
**B02C 23/04** (2013.01 - EP); **B02C 25/00** (2013.01 - KR); **F23K 1/00** (2013.01 - EP); **F23K 2201/10** (2013.01 - EP)

Cited by  
CN116060201A; CN109696524A; US4846410A; US4778113A; CN113310778A; EP0244074A3; AU591260B2; CN112371317A; CN116060200A; WO8806920A1

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