

Title (en)

SAFETY SYSTEMS FOR COAL PULVERIZING MILLS

Publication

**EP 0244074 A3 19880810 (EN)**

Application

**EP 87302255 A 19870317**

Priority

US 85770086 A 19860429

Abstract (en)

[origin: EP0244074A2] 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)

Citation (search report)

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- [A] US 2799848 A 19570716 - MURRAY GLANTZ LESTER, et al
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- [A] POWER, vol. 127, no. 7, July 1983, pages 95-97, Concord, New Hampshire, US; P. BAUR: "Coal users: mill-fire-monitoring technology is out of the woods"
- [A] ZKG INTERNATIONAL (ZEMENT-KALK-GIPS), vol. 37, no. 4, April 1984, pages 163-180, Bauverlag GmbH, Wiesbaden, DE; B. THIER: "Sicherer Betrieb von Kohlenmahlanlagen"; F. SCHNEIDER: "Sicherheitstechnische betriebserfahrungen in Kohlenmahlanlagen und ihre Konsequenzen"; E. SCHERRER: "Neuere Erkenntnisse über die Sicherheitstechnik beim Umgang mit Braunkohlenstaub"

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Designated contracting state (EPC)

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**EP 87302255 A 19870317;** AU 7106387 A 19870403; BR 8702407 A 19870429; CA 530556 A 19870225; DE 3765686 T 19870317; ES 87302255 T 19870317; HK 42692 A 19920611; IN 823CA1986 A 19861114; JP 10343987 A 19870428; KR 860011219 A 19861224; MX 627287 A 19870429; SG 36192 A 19920331