Title (en)

SYSTEM FOR DETECTING ROLLER BREAKAGE IN A TUNNEL KILN

Title (de)

SYSTEM ZUR ERKENNUNG EINES ROLLENBRUCHS IN EINEM TUNNELOFEN

Title (fr)

SYSTÈME DE DÉTECTION DE LA RUPTURE D"UN ROULEAU DANS UN FOUR TUNNEL

Publication

EP 1747416 A1 20070131 (EN)

Application

EP 05747546 A 20050504

Priority

- EP 2005004958 W 20050504
- IT RE20040060 A 20040521

Abstract (en)

[origin: WO2005114081A1] Method for detecting roller breakage in a tunnel kiln comprising a roller conveyor for advancing articles to be fired inside the tunnel, the ends of said rollers being supported outside the tunnel of said kiln, one of said ends being associated with drive means and the opposite end being free and supported by suitable idle wheels, there being associated with said free end a circuit for warning of roller breakage and means for exerting on the free end of the roller a force, the modulus of which is such as to cause a displacement of the end portion of the roller on breakage, to activate said warning circuit.

IPC 8 full level

F27D 21/00 (2006.01); **F27B 9/40** (2006.01); **F27D 21/04** (2006.01)

CPC (source: EP)

F27B 9/40 (2013.01); **F27D 21/00** (2013.01); **F27D 21/04** (2013.01)

Citation (search report)

See references of WO 2005114081A1

Cited by

KR20210116042A; EP3517464A1; IT201800001709A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005114081 A1 20051201; BR PI0511020 A 20071127; CN 100516745 C 20090722; CN 1961190 A 20070509; DE 602005003466 D1 20080103; EP 1747416 A1 20070131; EP 1747416 B1 20071121; ES 2296185 T3 20080416; IT RE20040060 A1 20040821; PL 1747416 T3 20080430; PT 1747416 E 20080201

DOCDB simple family (application)

EP 2005004958 W 20050504; BR PI0511020 A 20050504; CN 200580015212 A 20050504; DE 602005003466 T 20050504; EP 05747546 A 20050504; ES 05747546 T 20050504; IT RE20040060 A 20040521; PL 05747546 T 20050504; PT 05747546 T 20050504