

Title (en)
SOUND OPERATED START CIRCUIT

Publication
EP 0066418 A3 19831012 (EN)

Application
EP 82302564 A 19820520

Priority
GB 8116359 A 19810528

Abstract (en)
[origin: EP0066418A2] The invention is concerned with starting of electrical machines from a sound emitting device and is particularly concerned with safety circuits for the start of a coal getting machine on the sounding of a klaxon giving warning to mine workers underground that the machine is to be started and hence to keep clear. The signal from the klaxon is detected as to certain predetermined parameters including amplitude, frequency and the rate at which the klaxon is being operated since it would normally be controlled by a water driven pump. The signal is then fed to a discriminator circuit which then determines that these parameters are correct. Two such circuits are provided in parallel with each other and a signal to enable the machine to be started is only provided at an output terminal when the correct signal is found and detected by both circuits simultaneously.

IPC 1-7
E21F 17/18; **E21C 35/24**; **G08C 23/00**

IPC 8 full level
E21C 35/24 (2006.01); **E21F 17/18** (2006.01); **G08C 23/02** (2006.01)

CPC (source: EP)
E21C 35/24 (2013.01); **E21F 17/18** (2013.01); **G08C 23/02** (2013.01)

Citation (search report)

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Designated contracting state (EPC)
BE DE FR GB

DOCDB simple family (publication)
EP 0066418 A2 19821208; **EP 0066418 A3 19831012**; AU 8408682 A 19821202; ZA 823601 B 19830427

DOCDB simple family (application)
EP 82302564 A 19820520; AU 8408682 A 19820524; ZA 823601 A 19820525