

Title (en)

FIRING HEAD FOR WELL PERFORATING GUN

Publication

EP 0339774 A3 19910508 (EN)

Application

EP 89302337 A 19890309

Priority

- US 18690688 A 19880427
- US 24832988 A 19880920

Abstract (en)

[origin: EP0339774A2] A firing head assembly for a well bore perforating gun in which assembly alternative firing paths are provided. A first detonation cord (26) passes longitudinally through a generally cylindrical housing (11), providing a firing path from a firing head above the housing to a perforating gun below the housing. A firing pin (23) and second detonation cord (27) are located in the housing and are positioned radially offset from the longitudinal axis of the housing. Boosters (64,65) on the first and second detonation cords are positioned adjacent one another and opposite a third booster. Either or both of the first and second boosters may be used to fire the third booster. No splicing of detonation cords is required and the detonation cords are completely within a protective housing. The firing pin may be actuated by pressure or mechanical means.

IPC 1-7

E21B 43/1185

IPC 8 full level

E21B 43/1185 (2006.01); **F42D 1/04** (2006.01)

CPC (source: EP)

E21B 43/1185 (2013.01); **F42D 1/04** (2013.01)

Citation (search report)

- [A] US 4610312 A 19860909 - NELSON JOHN A [US], et al
- [A] US 4531590 A 19850730 - PETERSON ELMER R [US]
- [A] US 4657089 A 19870414 - STOUT GREGG W [US]

Cited by

WO2010096360A3; US8006779B2; US8061431B2

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

EP 0339774 A2 19891102; EP 0339774 A3 19910508; EP 0339774 B1 19940727; AU 3111289 A 19891102; AU 613719 B2 19910808; CA 1301634 C 19920526; DE 68917004 D1 19940901; DE 68917004 T2 19941124; MY 103992 A 19931030

DOCDB simple family (application)

EP 89302337 A 19890309; AU 3111289 A 19890308; CA 593259 A 19890309; DE 68917004 T 19890309; MY P119890388 A 19890328