

Title (en)
IGNITION DETECTING DEVICE OF IGNITION APPARATUS

Publication
EP 0384436 A3 19910417 (EN)

Application
EP 90103350 A 19900221

Priority
• JP 4215289 A 19890222
• JP 8209089 A 19890331
• JP 28150089 A 19891027

Abstract (en)
[origin: EP0384436A2] An ignition detecting device for use in an ignition apparatus of an internal combustion engine comprises ignition surge current detector means (10a) for detecting an ignition surge current generated in a primary circuit of an ignition coil (3) due to capacitive discharge of the ignition coil (3), and comparator means (10b) for comparing an output voltage of the ignition surge current detector means (10a) with a predetermined reference voltage (Vref) to detect the generation of the ignition surge current in excess of a predetermined value, thereby making it possible to detect accurately occurrence or nonoccurrence of ignition spark.

IPC 1-7
F02P 17/00

IPC 8 full level
F02P 17/12 (2006.01); **F02P 17/00** (2006.01)

CPC (source: EP)
F02P 17/12 (2013.01); **F02P 2017/006** (2013.01)

Citation (search report)
• [X] EP 0020069 A1 19801210 - LUCAS IND PLC [GB]
• [A] EP 0020068 A1 19801210 - LUCAS IND PLC [GB]
• [A] EP 0020067 A1 19801210 - LUCAS IND PLC [GB]
• [AD] US 3942102 A 19760302 - KUHN KLAUS ROLAND, et al
• [A] PATENT ABSTRACTS OF JAPAN, vol. 10, no. 378 (M-546)[2435], 17th December 1986; & JP-A-61 169 670 (NISSAN MOTOR CO.) 31-07-1986

Cited by
US5523691A; DE4317959A1; US5675257A; US5271268A; GB2459835A; GB2459835B; US7355300B2; US6670777B1; US9643570B2; US10272874B2; US10807562B2; US11618411B2

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