

Title (en)
A method and a system for synchronization

Title (de)
System und Verfahren zur Synchronisierung

Title (fr)
Procédé et système pour la synchronisation

Publication
EP 1803916 B1 20090304 (EN)

Application
EP 05113097 A 20051230

Priority
EP 05113097 A 20051230

Abstract (en)
[origin: EP1803916A1] A method for synchronization or allocation of cylinders to the crankshaft position in a multi-cylinder internal combustion engine having a crankshaft (1) which rotates twice per working cycle comprises the steps of assuming the existing phase of the engine, injecting fuel into a cylinder being according to said assumed phase in the compression stroke, measuring a possible increase of the rotational speed of the crankshaft and repeating this procedure at least a further time. A phase assumption is considered to be correct if a said increase is obtained at least a predetermined number of times being at least two for this assumption. Otherwise the opposite phase is assumed as correct and the procedure is repeated for that new assumption.

IPC 8 full level
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CPC (source: EP)
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Cited by
CN103244299A; FR2950393A1; CN101952579A; EP2246549A1; CN101865067A; US8731805B2; WO2009083492A1; WO2015024747A1; WO2009153233A1; JP2011506851A

Designated contracting state (EPC)
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EP 1803916 A1 20070704; EP 1803916 B1 20090304; AT E424505 T1 20090315; DE 602005013104 D1 20090416

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