

Title (en)  
MECHANICAL COMPRESSION RELEASE

Title (de)  
MECHANISCHE DEKOMPRESSIONSVORRICHTUNG

Title (fr)  
COMMANDE DE DECOMPRESSION MECANIQUE

Publication  
**EP 1255916 A1 20021113 (EN)**

Application  
**EP 01907150 A 20010209**

Priority  
• US 0104140 W 20010209  
• US 50707000 A 20000218  
• US 78246801 A 20010209

Abstract (en)  
[origin: WO0161157A1] An internal combustion engine has a mechanical compression release including a cam, a cam follower, and a compression release member. The cam having a cam lobe and a base radius with a slot, and a compression release member disposed within the slot. The compression release member is substantially V-shaped and is comprised of a first portion, a second portion, and bridging portion. The first portion has an auxiliary cam surface that extends slightly beyond the base radius and the second portion has sufficient mass to function as a flyweight. The bridging portion is substantially U-shaped and connects the first and second portions. The compression release member pivots about a pivot pin, that is disposed within the curved portion of the bridging portion. As the cam rotates, centrifugal forces cause the compression release member to pivot and to disengage from the cam follower.

IPC 1-7  
**F01L 13/08**

IPC 8 full level  
**F01L 13/08** (2006.01); **F02B 63/02** (2006.01); **F02B 75/16** (2006.01)

CPC (source: EP)  
**F01L 13/085** (2013.01); **F02B 63/02** (2013.01); **F02B 75/16** (2013.01); **F01L 13/08** (2013.01)

Citation (search report)  
See references of WO 0161157A1

Cited by  
EP1201883A3

Designated contracting state (EPC)  
DE GB IT

DOCDB simple family (publication)  
**WO 0161157 A1 20010823**; AU 5788501 A 20010827; DE 60113384 D1 20051020; DE 60113384 T2 20060622; EP 1255916 A1 20021113; EP 1255916 B1 20050914

DOCDB simple family (application)  
**US 0104140 W 20010209**; AU 5788501 A 20010209; DE 60113384 T 20010209; EP 01907150 A 20010209