

Title (en)
Engine compression brake.

Title (de)
Kompressionsmotorbremse.

Title (fr)
Frein à compression d'un moteur.

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Application
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Priority
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Abstract (en)
The invention relates to an internal combustion engine, comprising cylinders with pistons and inlet and exhaust valves, an exhaust system, an engine brake that is provided with means for disposing of the compression energy at the end of the compression stroke, the engine brake comprising means for closing a brake valve (10) in the exhaust system in order to establish a pressure increase in the cylinder (2), means for opening the exhaust valve (4) during the inlet stroke of the piston (1) synchronously to the number of revolutions per minute of the engine to such an extent that exhaust gas flows back through said cylinder exhaust valve of the exhaust system to the cylinder.

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Citation (search report)

- [X] CH 118905 A 19270216 - FRANZ BROZINCEVIC & CIE [CH]
- [Y] DE 2832526 A1 19800207 - MASCHF AUGSBURG NUERNBERG AG
- [A] US 3234923 A 19660215 - FLECK KENNETH J, et al
- [A] CH 306146 A 19550331 - SAURER AG ADOLPH [CH]
- [A] DE 335332 C 19210331 - LAST AUTOMOBILFABRIK A G DEUTS
- [A] GB 2162580 A 19860205 - DAIMLER BENZ AG

Cited by
EP0822321A1; EP0736672A3; DE3922884A1; DE19852552A1; DE19852552C2; US5730102A; DE10250771B4; WO9605415A1

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