

Title (en)
Particulate filter

Title (de)
Partikelfilter

Title (fr)
Filtre à particules

Publication
EP 0854274 B1 20020403 (DE)

Application
EP 97121164 A 19971203

Priority
DE 19701684 A 19970120

Abstract (en)
[origin: EP0854274A1] The filter is regenerated by burning-off the collected particles. During this process, the exhaust pressure in front of the particle filter (3) is maintained at a level, which is required for complete burn-off of the particles. The load- independent flow resistance of a filter (1) across its complete flow profile, is at least 5% of the flow resistance of the regeneration threshold of the laden particle filter. The filter medium is formed by solid walls of porous, heat- resistant material, with a flow resistance, which is influenced by wall thickness, porosity, and degree of surface coating. The filter is preferably a honeycomb, and a drag body (4) is positioned in front of or behind it.

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