

Title (en)  
Maximum flow boiler

Title (de)  
Heizkessel mit maximalem Durchfluss

Title (fr)  
Chaudière avec écoulement maximal

Publication  
**EP 1026449 A1 20000809 (EN)**

Application  
**EP 99830057 A 19990203**

Priority  
EP 99830057 A 19990203

Abstract (en)  
The basic operating principle of this system is to store energy in the form of hot water and then to recover it when needed. This boiler stores the water from the heating system and keeps it hot. The tank for storing this water can be built from less expensive materials than the tank for storing the household water. The tank can also be built to specifications which are more suitable for the size of the boiler itself. The fact that there is no heat exchange coil in the tank means that it has a larger storage capacity. Since the water contained in this tank comes from the heating system, there is no need for devices which prevent the build-up of calcium inside the tank itself. When water is drawn, the household water will then be heated by a household heat exchanger of an appropriate size. The build-up of lime can be prevented by using a bypass valve which skips the heat exchanger during the pre-heating phase. <IMAGE>

IPC 1-7  
**F24D 3/08**

IPC 8 full level  
**F24D 3/08** (2006.01)

CPC (source: EP)  
**F24D 3/08** (2013.01)

Citation (search report)

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- [A] EP 0635682 A1 19950125 - NEOVIA S R L [IT]
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- [E] EP 0916901 A1 19990519 - IABER SPA [IT]

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Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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