

Title (en)  
TOILET ASSEMBLY

Title (de)  
TOILETTENANORDNUNG

Title (fr)  
BLOC W.-C.

Publication  
**EP 1554441 A2 20050720 (EN)**

Application  
**EP 03791724 A 20030821**

Priority  
• US 0326287 W 20030821  
• US 23197702 A 20020830

Abstract (en)  
[origin: US2004040080A1] A toilet includes a toilet bowl assembly having a toilet bowl and a trapway extending from the bottom of the toilet bowl to a sewage line. The toilet bowl has a rim channel provided along an upper perimeter portion thereof. In this toilet, the flush water flows through the rim channel in a path which is asymmetric and unidirectional along the entire perimeter portion thereof. The rim channel includes a plurality of rim openings distributed evenly along the perimeter of the rim channel. Flush water passing through the plurality of rim openings pre-wets the entire perimeter of the toilet bowl. The rim channel further includes a pair of water discharge slots which directs water directly into the toilet bowl in two powerful streams. The flush valve allowing passage of water from the water tank to the toilet bowl assembly is in the form of a valve inlet having a radiused port to generate greater energy throughput of the flush water.

IPC 1-7  
**E03D 11/08**

IPC 8 full level  
**E03D 1/34** (2006.01); **E03D 11/02** (2006.01); **E03D 11/08** (2006.01)

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