

Title (en)
STEAM TURBINE FOR PARTIAL LOADING OPERATION

Publication
EP 0296440 B1 19930127 (DE)

Application
EP 88109355 A 19880613

Priority
CH 242687 A 19870626

Abstract (en)
[origin: US4881872A] In steam turbines operated with nozzle group control (3) in part load operation, a swirl cascade (4) is fitted downstream of the control wheel (2) in the flow direction. The partial flows emerging from the control wheel (2) are provided with a distinct swirl in the swirl cascade (4) and released into the transfer duct (9). The full admission reaction blading (7, 8) of the turbine is located at the end of this transfer duct, the flow being directly admitted to a first rotor blade row (7).

IPC 1-7
F01D 1/10; F01D 1/16

IPC 8 full level
F01D 1/10 (2006.01); **F01D 1/16** (2006.01)

CPC (source: EP US)
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