

Title (en)
TURBO-MACHINE WITH REDUCED ATTRITION

Title (de)
STRÖMUNGSMASCHINE MIT VERRINGERTEM ABRASIVEN VERSCHLEISS

Title (fr)
TURBOMACHINE A USURE PAR ABRASION REDUITE

Publication
EP 0721546 B1 19981202 (DE)

Application
EP 94927620 A 19940916

Priority
• DE 4332703 A 19930925
• DE 4431947 A 19940908
• EP 9403108 W 19940916

Abstract (en)
[origin: US5984629A] A turbo-machine for transporting media loaded with solid particles includes a housing. At least one impeller is disposed inside the housing and defines impeller side spaces disposed between the impeller and the housing. Wall surfaces bound the impeller side spaces. The wall surfaces have various shaped protrusions, recesses, blades and grooves for conducting the flow of the medium near the wall at least partly into regions where the transport medium has a greater rotational motion.

IPC 1-7
F04D 7/04; **F04D 29/16**; **F04D 29/44**; **F04D 29/22**

IPC 8 full level
F04D 7/04 (2006.01); **F04D 29/16** (2006.01); **F04D 29/22** (2006.01); **F04D 29/44** (2006.01)

CPC (source: EP US)
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Designated contracting state (EPC)
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US 63810296 A 19960325; AU 7697094 A 19940916; CN 94193527 A 19940916; DE 59407403 T 19940916; EP 9403108 W 19940916; EP 94927620 A 19940916