

Title (en)  
IMPELLER WHEEL

Title (de)  
SCHLEUDERRAD

Title (fr)  
ROUE CENTRIFUGE

Publication  
**EP 0794849 B1 19991117 (DE)**

Application  
**EP 96933379 A 19960925**

Priority  
• DE 19536723 A 19950930  
• EP 9604178 W 19960925

Abstract (en)  
[origin: US5769693A] PCT No. PCT/EP96/04178 Sec. 371 Date May 30, 1997 Sec. 102(e) Date May 30, 1997 PCT Filed Sep. 25, 1996 PCT Pub. No. WO97/12726 PCT Pub. Date Apr. 10, 1997An impeller wheel has at least one lateral disk and an impeller cage connected centrally on a first face of the lateral disk. Blasting material to be distributed with the impeller wheel is introduced in an axial feeding direction into a central area of the impeller cage. Radial blades are connected to the first face of the lateral disk. Guide blades are connected to the first face of the lateral disk and positioned between the radial blades. The radial blades have radially inner ends spaced at a first distance from a center of the lateral disk and the guide blades have radially inner ends spaced at a second distance from the center of the lateral disk. The second distance is greater than the first distance. The impeller cage is embodied as an auxiliary impeller wheel having auxiliary blades. The auxiliary blades have a greater axial length than the radial blades.

IPC 1-7  
**B24C 5/06**

IPC 8 full level  
**B24C 5/06** (2006.01)

CPC (source: EP US)  
**B24C 5/06** (2013.01 - EP US); **B24C 5/068** (2013.01 - EP US)

Cited by  
EP3808504A4

Designated contracting state (EPC)  
AT BE DE DK ES FI FR GB IT NL SE

DOCDB simple family (publication)  
**US 5769693 A 19980623**; AT E186669 T1 19991215; CN 1077828 C 20020116; CN 1166149 A 19971126; DE 19536723 A1 19970417; DE 19536723 C2 19970821; DE 59603673 D1 19991223; EP 0794849 A1 19970917; EP 0794849 B1 19991117; ES 2141538 T3 20000316; JP 3004733 B2 20000131; JP H10510485 A 19981013; RU 2140846 C1 19991110; WO 9712726 A1 19970410

DOCDB simple family (application)  
**US 84965697 A 19970530**; AT 96933379 T 19960925; CN 96191157 A 19960925; DE 19536723 A 19950930; DE 59603673 T 19960925; EP 9604178 W 19960925; EP 96933379 A 19960925; ES 96933379 T 19960925; JP 51393997 A 19960925; RU 97109841 A 19960925