

Title (en)  
SPINNING ROTOR MADE FROM STEEL FOR OPEN END SPINNING MACHINES.

Title (de)  
SPINNROTOR AUS STAHL FÜR OFFENENDSPINNMASCHINEN.

Title (fr)  
ROTOR A FILER EN ACIER POUR MACHINES A FILER A EXTREMITE LIBRE.

Publication  
**EP 0009497 A1 19800416 (EN)**

Application  
**EP 79900191 A 19790911**

Priority  
CH 202578 A 19780224

Abstract (en)  
[origin: GB2036098A] A spinning rotor (1) made from steel (1a) for an open end spinning machine is provided with a thinwalled rotor wall (3) with a fibre collecting groove (4) and a locally limited, hardened zone (11) comprising the fibre collecting groove (4) at the largest inside diameter (B). Owing to the partial hardening of the rotor wall (3) high wear resistance is achieved for the fibre collecting groove (4) and the finished shape and roundness of the spinning rotor (1) made from unhardened steel (1a) for application on the open end spinning machine is maintained.

Abstract (fr)  
Un rotor a filer (1) en acier (1a) pour une machine a filer est pourvu d'un rotor a double paroi (3) avec une gorge (4) collectrice de la fibre et une partie durcie localement (11) comprenant la gorge collectrice (4) de la fibre, sur le diametre interieur le plus grand (B). En raison du durcissement partiel de la paroi (3) du rotor, on obtient une haute resistance a l'usure de la gorge collectrice (4) de la fibre et la forme finie et le rond du rotor a filer (1) en acier non durci (1a) applicable aux machines a filer a extremite libre peuvent etre conservees.

IPC 1-7  
**D01H 1/12; C21D 1/06**

IPC 8 full level  
**C21D 1/06** (2006.01); **D01H 4/10** (2006.01)

CPC (source: EP)  
**D01H 4/10** (2013.01)

Designated contracting state (EPC)  
FR

DOCDB simple family (publication)  
**GB 2036098 A 19800625**; AR 220742 A1 19801128; AT 372119 B 19830912; AT A105479 A 19830115; AU 4452179 A 19790830; AU 529171 B2 19830526; BE 874424 A 19790823; BR 7906846 A 19800226; CA 1106246 A 19810804; CS 220323 B2 19830325; DE 2936565 A1 19801127; EP 0009497 A1 19800416; FI 64955 B 19831031; FI 64955 C 19840210; FI 790617 A 19790825; IL 56641 A 19820331; IN 151789 B 19830730; IT 1111526 B 19860113; IT 7920339 A0 19790219; JP S55500140 A 19800313; NL 7901186 A 19790828; PT 69263 A 19790301; WO 7900659 A1 19790906; ZA 79747 B 19800528

DOCDB simple family (application)  
**GB 7932157 A 19790201**; AR 27551679 A 19790215; AT 105479 A 19790212; AU 4452179 A 19790222; BE 193676 A 19790623; BR 7906846 A 19790201; CA 322142 A 19790223; CS 122079 A 19790222; DE 2936565 A 19790201; EP 7900005 W 19790201; EP 79900191 A 19790911; FI 790617 A 19790223; IL 5664179 A 19790211; IN 13CA1980 A 19800102; IT 2033979 A 19790219; JP 50041279 A 19790201; NL 7901186 A 19790214; PT 6926379 A 19790221; ZA 79747 A 19790219