Title (en)

TUBE MILL

Title (de)

ROHRMÜHLE

Title (fr)

BROYEUR TUBULAIRE

Publication

EP 0998353 A1 20000510 (FR)

Application

EP 98940157 A 19980707

Priority

- BE 9700626 A 19970717
- EP 9804188 W 19980707

Abstract (en)

[origin: WO9903587A1] The invention concerns a mill comprising a cylindrical frame (16) lined with an inner armour and designed to receive the material to be crushed and a load of milling machines wherein the shell, which consists of juxtaposed individual armour plate rings, has inner longitudinal lifting sections to lift the load and the material to be crushed when the mill rotates. In order to adapt the lifting section to the mill operating parameters and conditions, each plate has, on its rear surface, viewed in the mill rotating direction, a step (10b, 12b, 14b) radially higher than the front surface and each ring of the plates comprises several types of different plates (10, 12, 14) which are different at least in their step (10b, 12b 14b) radial height and which follow one another, in the circumferential direction, according to a predetermined order.

IPC 1-7

B02C 17/22

IPC 8 full level

B02C 17/22 (2006.01)

CPC (source: EP KR US)

B02C 17/22 (2013.01 - EP KR US)

Cited by

BE1014412A3; EP4410430A1; WO2024160679A1

Designated contracting state (EPC)

AT BE DE ES FR GB IT PT

DOCDB simple family (publication)

WO 9903587 A1 19990128; AT E285296 T1 20050115; AU 725428 B2 20001012; AU 8857398 A 19990210; BE 1011286 A3 19990706; BR 9809494 A 20000620; CN 1107549 C 20030507; CN 1258233 A 20000628; CZ 200016 A3 20000614; CZ 296624 B6 20060517; DE 69828286 D1 20050127; DE 69828286 T2 20051215; EP 0998353 A1 20000510; EP 0998353 B1 20041222; ES 2235354 T3 20050701; HU 227892 B1 20120529; HU P0004523 A2 20010428; HU P0004523 A3 20011128; ID 23878 A 20000525; JP 2002508706 A 20020319; KR 100423355 B1 20040319; KR 20010013531 A 20010226; PL 195391 B1 20070928; PL 337700 A1 20000828; PT 998353 E 20050429; RU 2198030 C2 20030210; TR 199903248 T2 20000721; US 6206310 B1 20010327; ZA 986342 B 19990203

DOCDB simple family (application)

EP 9804188 W 19980707; AT 98940157 T 19980707; AU 8857398 A 19980707; BE 9700626 A 19970717; BR 9809494 A 19980707; CN 98805315 A 19980707; CZ 200016 A 19980707; DE 69828286 T 19980707; EP 98940157 A 19980707; ES 98940157 T 19980707; HU P0004523 A 19980707; ID 20000304 A 19980707; JP 50638899 A 19980707; KR 19997011538 A 19991207; PL 33770098 A 19980707; PT 98940157 T 19980707; RU 2000103584 A 19980707; TR 9903248 T 19980707; US 42409599 A 19991118; ZA 986342 A 19980716