

Title (en)
PNEUMATIC SPRING SUPPORT FOR THE MIXER ARM OF A MIXER ROTOR CONSISTING OF TUBULAR SLEEVES WITH VERTICAL AND HORIZONTAL DEVICES FOR THE ADJUSTMENT OF THE MIXER ARM

Publication
EP 0063172 A3 19840912 (DE)

Application
EP 81108311 A 19811014

Priority
DE 3115353 A 19810416

Abstract (en)
[origin: EP0063172A2] In a forced mixer rotor consisting of a plurality of tubular sleeves, the mixer arms with the mixer arm holders consisting of wheels with pneumatic tyres, designed for high pressure, are inserted in the airless state into the tubular sleeves of the rotor and held and spring-mounted therein by high air pressure, lateral and vertical mixer arm settings being readjustable fully automatically or by manual actuation by means of a horizontal and vertical pneumatic mixer arm readjustment device which is fixed to the mixer arm parts, the wear on the mixer blade being regulated on vertical readjustment. Since there is no problem in the holding and spring-mounting, wear is reduced, handling is simplified and the field of application of the forced mixer for diverse materials to be mixed is widened, and the mixing effect is improved by simple insertion of special mixer arms and, due to the insulating action of the pneumatic tyres, the mixer arms can also be utilised as electrodes (probes) for moisture- measuring instruments. <IMAGE>

IPC 1-7
B01F 15/00; B01F 7/18; B28C 5/16

IPC 8 full level
B01F 7/16 (2006.01)

CPC (source: EP)
B01F 27/82 (2022.01)

Citation (search report)

- US 4165185 A 19790821 - FEJMERT BERNHARD V
- DE 1289771 B 19690918 - WAIMER BAUMASCHINENFABRIK KG V
- US 3257107 A 19660621 - KUNIO NISHIOKA, et al
- DE 394470 C 19240428 - BERNHARD PLAGE
- DE 1627241 A1 19701210 - NAGEL PETER
- US 3663027 A 19720516 - KLIPPING JAMES L
- US 3142478 A 19640728 - GUSTAVE REINBERG
- DE 1027185 B 19580403 - ANDREAS HOFER HOCHDRUCK APPBAU
- FR 2145220 A5 19730216 - GATTRUGERI GIOVANNI

Cited by
CN104415825A

Designated contracting state (EPC)
AT BE CH FR IT LI LU NL

DOCDB simple family (publication)
EP 0063172 A2 19821027; EP 0063172 A3 19840912; DE 3115353 A1 19821223

DOCDB simple family (application)
EP 81108311 A 19811014; DE 3115353 A 19810416