

Title (en)

PROCESS AND APPARATUS FOR MIXING SOLIDS WITH LIQUIDS

Publication

**EP 0046569 A3 19840523 (DE)**

Application

**EP 81106427 A 19810819**

Priority

- DE 3032039 A 19800826
- DE 3036346 A 19800926
- DE 3105549 A 19810216

Abstract (en)

[origin: US4390285A] A system for mixing of wood chips or the like with glue which involves an intensive movement of the chips during the addition of the glue and a subsequent thorough mixing of the glue and the chips in a ring of material to be mixed, is characterized by steadily accelerating the chips out of an axial motion via a centrifugal and helical motion and by the addition of the glue during this acceleration, the acceleration to the velocity of the ring of material to be mixed taking place only following the addition of the liquid.

IPC 1-7

**B01F 7/04**; **B01F 3/12**; **B29J 5/02**; **B01F 15/06**

IPC 8 full level

**B01F 3/12** (2006.01); **B01F 7/02** (2006.01); **B01F 7/04** (2006.01); **B01F 15/06** (2006.01); **B27N 1/02** (2006.01); **B01F 7/00** (2006.01)

CPC (source: EP US)

**B01F 23/565** (2022.01 - EP); **B01F 27/62** (2022.01 - EP US); **B01F 35/7179** (2022.01 - EP US); **B01F 35/92** (2022.01 - EP US); **B01F 35/95** (2022.01 - EP US); **B27N 1/0245** (2013.01 - EP US); **B01F 23/565** (2022.01 - US); **B01F 27/112** (2022.01 - EP US); **B01F 2035/98** (2022.01 - EP US)

Citation (search report)

- [A] DE 2344231 A1 19750313 - LOEDIGE WILHELM, et al
- [A] DE 2134305 A1 19730125 - E SCHNITZLER GMBH & CO DR
- [A] DE 2738971 A1 19790322 - DRAISWERKE GMBH
- [A] US 3355106 A 19671128 - GRAHAM WARD A

Cited by

CN106985255A; EP1604732A4; EP0154901A3; TR22876A; US6292457B1; US6349570B1; US7896638B2; WO2017216140A3; WO0061273A3; EP2563558B1; EP2563558A1

Designated contracting state (EPC)

BE CH DE FR GB IT LI

DOCDB simple family (publication)

**EP 0046569 A2 19820303**; **EP 0046569 A3 19840523**; **EP 0046569 B1 19860716**; DE 3174930 D1 19860821; FI 812580 L 19820227; JP S5771629 A 19820504; US 4390285 A 19830628

DOCDB simple family (application)

**EP 81106427 A 19810819**; DE 3174930 T 19810819; FI 812580 A 19810821; JP 13392281 A 19810826; US 29221381 A 19810812