

Title (en)

Mixing apparatus

Title (de)

Mischvorrichtung

Title (fr)

Appareil mélangeur

Publication

**EP 1287880 B1 20060920 (DE)**

Application

**EP 02018754 A 20020822**

Priority

DE 10141302 A 20010828

Abstract (en)

[origin: EP1287880A2] A mixing arrangement comprises a vertical feed shaft (11) for the base material; a mixing chamber (7) arranged below the shaft for collecting the liquid added; and a rotating mixing tool (8). A propeller (15) rotating about a vertical axis is arranged in the feed shaft. Individual segments of the propeller are blade-free in the periphery direction. Preferred Features: The propeller rotates at a speed of at least 200, preferably 300-3000 min<sup>-1</sup>. The shaft surrounds the propeller. The propeller is mounted on the upper end of the mixing tool. The shaft is cylindrical and conically tapers.

IPC 8 full level

**B01F 27/906** (2022.01)

CPC (source: EP US)

**B01F 23/53** (2022.01 - EP US); **B01F 27/90** (2022.01 - EP US); **B01F 33/83** (2022.01 - EP US); **B01F 33/83612** (2022.01 - EP); **B01F 35/4112** (2022.01 - EP US); **B01F 27/1144** (2022.01 - EP US); **B01F 33/83612** (2022.01 - US)

Designated contracting state (EPC)

CH DE GB LI

DOCDB simple family (publication)

**EP 1287880 A2 20030305**; **EP 1287880 A3 20030903**; **EP 1287880 B1 20060920**; DE 10141302 A1 20030327; DE 10141302 B4 20040325; DE 50208187 D1 20061102; US 2003043691 A1 20030306

DOCDB simple family (application)

**EP 02018754 A 20020822**; DE 10141302 A 20010828; DE 50208187 T 20020822; US 22201202 A 20020815