

Title (en)
Device for mixing and/or kneading materials

Title (de)
Vorrichtung zum Mischen und/oder Kneten von Werkstoffen

Title (fr)
Dispositif pour mélanger et/ou malaxer des matériaux

Publication
EP 0557919 B1 19960605 (DE)

Application
EP 93102734 A 19930222

Priority
• DE 4206219 A 19920228
• US 1437293 A 19930205

Abstract (en)
[origin: US5314245A] An arrangement for mixing and/or kneading of viscous, plastic, powder or grain materials, comprises a housing provided with a housing opening, a screw shaft driveably arranged in the housing opening and having a torque transmitting shaft and a plurality of screw elements arranged one behind the other on the shaft, a wedge connecting the screw elements with the shaft and having a substantially rectangular cross-section with two long sides and two short sides. The wedge is arranged so that one long side of the cross-section which faces toward the screw element substantially coincides with a tangent to a shaft circumference and is arranged substantially in the screw element, another long side of the cross-section which faces toward the shaft is arranged substantially in the shaft, one short side of the cross-section which extends in a direction opposite to the rotary direction of the shaft is located substantially in the shaft, another short side of the cross-section which extends in the rotary direction of the shaft is arranged substantially in the screw element. The long and short sides abut against one another in the shaft and in the screw element and are arranged substantially at a right angle relative to one another and form an open groove with round corners.

IPC 1-7
B01F 7/10

IPC 8 full level
B01F 27/73 (2022.01)

CPC (source: EP US)
B01F 27/071 (2022.01 - EP US); **Y10T 403/7018** (2015.01 - EP US); **Y10T 403/7051** (2015.01 - EP US)

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