Title (en)

DEVICE, ESPECIALLY FOR UNIFORMLY DISTRIBUTING SOLID PARTICLES AND/OR LIQUIDS, AND UNIT HAVING SUCH A DEVICE

Publication

EP 0307318 B1 19930901 (FR)

Application

EP 88402268 A 19880908

Priority

FR 8712441 A 19870908

Abstract (en)

[origin: JPH01159044A] PURPOSE: To uniformly mix solid particles and liquid particles by providing the rear surface of a horizontal rim at the bottom end of a hollow first shaft with many vertical teeth and providing the lower side of a second shaft enclosing the outer side of the first shaft with a cylindrical cage provided with the many vertical teeth. CONSTITUTION: The rear surface of the horizontal rim 4 at the bottom end of the hollow first shaft 1 is provided with the many vertical teeth 5 along the concentric circle. The shaft 1 is coaxially fitted inside the hollow second shaft 2. The shaft 2 is rotated in a direction opposite from the rotating direction of the shaft 1. Further, the lower end of the shaft 2 consists of the cylindrical cage 10 comprising the rim 11 and a disk 12 coupled to the rim 11 by a grid 13. A plurality of vertical teeth 14 are erected on the disk 12 of the cylindrical cage 10 concentrically with the teeth 5 and zigzag and further the center of the disk 12 is provided with a circular steel anvil 15 which is coaxial with the disk 12 and has the diameter at least equal to the diameter of the shaft 1. The solid particles and the liquid particles are mixed, homogenized, pulverized and ground by this apparatus.

IPC 1-7

B01F 5/22

IPC 8 full level

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CPC (source: EP US)

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