

Title (en)
Mixing apparatus for materials

Title (de)
Mischapparat für Materialien

Title (fr)
Appareil mélangeur pour matériaux

Publication
EP 0677323 B2 20020724 (FR)

Application
EP 95420085 A 19950406

Priority
FR 9404750 A 19940412

Abstract (en)
[origin: EP0677323A1] A mixer comprises a long casing (1) forming an internal chamber for the collection of different prods. to be mixed, with an inlet for the prods., an outlet for the mixt. and an axle (3) turned by a motor. The axle is designed to accept mixing tools (7) along its length. These tools are blades, each with a profile combining a given angular sector of a helix longitudinally and flared transverse form to allow the prods. to be mixed. <IMAGE>

IPC 1-7
B01F 7/04; **B01F 15/00**; **B28C 5/14**

IPC 8 full level
B01F 7/00 (2006.01); **B01F 7/04** (2006.01); **B01F 15/00** (2006.01); **B28C 5/14** (2006.01)

CPC (source: EP)
B01F 27/071 (2022.01); **B01F 27/0726** (2022.01); **B01F 27/091** (2022.01); **B01F 27/70** (2022.01); **B28C 5/14** (2013.01)

Citation (opposition)
Opponent :

- DE 3013664 A1 19811015 - BHS BAYERISCHE BERG [DE]
- DE 830879 C 19520207 - DRAISWERKE GMBH
- DE 2311579 A1 19740912 - ELBA WERK MASCHINEN GMBH & CO
- DE 4204687 A1 19930819 - WAHL VERSCHLEISS TECH [DE]

Cited by
ES2148098A1; EP2551011A1; ITBO20110472A1; CN109719847A; WO2006125814A1

Designated contracting state (EPC)
CH DE ES GB IT LI

DOCDB simple family (publication)
EP 0677323 A1 19951018; **EP 0677323 B1 19990630**; **EP 0677323 B2 20020724**; DE 69510485 D1 19990805; DE 69510485 T2 19991028; DE 69510485 T3 20030403; ES 2133693 T3 19990916; ES 2133693 T5 20030216; FR 2718367 A1 19951013; FR 2718367 B1 19960614

DOCDB simple family (application)
EP 95420085 A 19950406; DE 69510485 T 19950406; ES 95420085 T 19950406; FR 9404750 A 19940412