

Title (en)

Comminutor pump

Title (de)

Zerkleinerungspumpe

Title (fr)

Pompe dilacératrice

Publication

EP 2444673 A2 20120425 (FR)

Application

EP 11290405 A 20110912

Priority

FR 1004114 A 20101020

Abstract (en)

The pump has a material comminution unit comprising movable toothed sectors (6) secured in rotation to shaft (1) and fixed toothed sectors (7) fixed on a pump body (4). The sectors are axially placed one above another and have opposite labyrinth profiles inclined from the shaft to the body in a direction from a suction orifice toward an impeller (3), so that the movable toothed sectors overlap the fixed toothed sectors at each turn with comminution clearance. Angular positions of the sectors are such that all the movable toothed sectors do not overlap the fixed toothed sectors simultaneously.

Abstract (fr)

Dans cette pompe, un secteur (6) denté mobile est solidaire en rotation de l'arbre (1), un secteur (7) denté fixe est fixé sur le corps (4) de pompe et les deux secteurs dentés mobile et fixe ont des profils en labyrinthe en regard.

IPC 8 full level

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CPC (source: EP)

F04D 7/045 (2013.01); **F04D 29/2288** (2013.01)

Designated contracting state (EPC)

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BA ME

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