

Title (en)  
INSTALLATION FOR MIXING SOLID MATERIALS AND LIQUIDS

Publication  
**EP 0211230 A3 19870819 (DE)**

Application  
**EP 86108925 A 19860701**

Priority  
DE 3524537 A 19850710

Abstract (en)  
[origin: US4741483A] An apparatus for mixing solids with one another and with liquids, particularly for producing moulding sand mixtures, comprises a circular, fixed trough and at least two groups of mixing tools engaging with different spacings from the trough axis and trough bottom, which revolve about the trough axis and set with opposite angles with respect to the tangent of the circular path thereof. In order to obtain both a horizontal and vertical movement of the material being mixed in the case of maximum throughput, the mixing tools are formed in paddle-like manner from part cylindrical circumferential segments with roughly horizontal axis of curvature, the mixing paddles of the outer group point inwards with their concave side, while those of the inner group point outwards. There are also separate, revolving wall strippers for the inner and outer trough walls.

IPC 1-7  
**B22C 5/00**; **B22C 5/04**; **B22C 5/18**

IPC 8 full level  
**B01F 7/00** (2006.01); **B01F 7/16** (2006.01); **B01F 15/00** (2006.01); **B22C 5/00** (2006.01); **B22C 5/04** (2006.01); **B22C 5/18** (2006.01)

CPC (source: EP US)  
**B01F 27/112** (2022.01 - EP US); **B01F 27/85** (2022.01 - EP US)

Citation (search report)  
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• [AD] DE 2318692 B1 19740808  
• [AD] DE 1557252 A1 19700402 - ZYKLOS METALLBAU KG

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Designated contracting state (EPC)  
DE FR SE

DOCDB simple family (publication)  
**DE 3524537 A1 19870122**; CA 1269101 A 19900515; DE 3666159 D1 19891116; EP 0211230 A2 19870225; EP 0211230 A3 19870819; EP 0211230 B1 19891011; US 4741483 A 19880503

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**DE 3524537 A 19850710**; CA 513195 A 19860707; DE 3666159 T 19860701; EP 86108925 A 19860701; US 88375886 A 19860709