

Title (en)  
A bucket mixer for mixing solid aggregates and delivering the mixture

Title (de)  
Einrichtung zum Mischen und Fördern von Schüttgütern

Title (fr)  
Dispositif pour mélanger et fournir des matériaux en vrac

Publication  
**EP 0724940 A3 19970319 (EN)**

Application  
**EP 96101175 A 19960129**

Priority  
IT TO950024 U 19950203

Abstract (en)  
[origin: EP0724940A2] The bucket mixer comprises a mixing screw (11) extending substantially throughout the whole bucket mixer and counter-current mixing blades (13) carried by the peripheral part of the mixing screw and radially extending from the edge thereof to near the inner wall of the vessel (10). The blades are oriented at a winding direction opposite to that of the mixing screw (11), and are rigidly and entirely fixed (14) in releasable manner to supports (15) welded to the peripheral part of the mixing screw. <IMAGE>

IPC 1-7  
**B28C 5/14**

IPC 8 full level  
**B01F 7/00** (2006.01); **B01F 15/00** (2006.01); **B28C 5/12** (2006.01); **B28C 5/14** (2006.01)

CPC (source: EP)  
**B01F 27/091** (2022.01); **B01F 33/502** (2022.01); **B28C 5/1292** (2013.01); **B28C 5/142** (2013.01)

Citation (search report)

- [DX] IT 1210783 A
- [A] EP 0474538 A1 19920311 - AUDUREAU SA [FR]
- [DA] US 4223996 A 19800923 - MATHIS PAUL, et al
- [A] US 4660987 A 19870428 - ROBINSON JON L [US]
- [A] US 4478515 A 19841023 - TOBIN ROBERT A [US]
- [A] FR 2581894 A1 19861121 - BERNARD FRANCOIS [FR]
- [A] EP 0284929 A1 19881005 - GEN SIGNAL CORP [US]

Cited by  
CN108818926A; EP1122047A1; CN109291246A; CN110405943A; CN113441454A; EP2380655A1; FR2958865A1

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