

Title (en)
Device for cleaning concrete mixers

Title (de)
Vorrichtung zum Reinigen von Betonmischern

Title (fr)
Dispositif de nettoyage de bétonnières

Publication
EP 1364700 A3 20050713 (EN)

Application
EP 03380116 A 20030513

Priority
ES 200201191 A 20020524

Abstract (en)
[origin: EP1364700A2] Comprising a hollow main axle (5) which passes through the lid (17) of the mixer (1), supplied by a cleaning fluid via a rotary connector (11) and which is forced to rotate on its axis by a motor (4), which extends into a rotating arm (6), on the end of which a nozzle (14) spins on its axis while making a circular movement caused by the mobilizing action produced by a chain (9) which engages with a fixed cog (10), which forms part of the lid (17), and with a mobile cog (8), which is an integral part of the nozzle (14). In this way, the nozzle (14), together with the spray orifices (20), through which the fluid is projected (15), makes a spinning movement, vigorously reaching all parts of the inside of the mixer, the projections from the nozzle being infinite and always spraying in different directions. <IMAGE>

IPC 1-7
B01F 15/00; **B08B 9/093**; **B05B 3/02**; **B08B 9/08**

IPC 8 full level
B01F 15/00 (2006.01); **B08B 9/08** (2006.01); **B08B 9/093** (2006.01)

CPC (source: EP ES)
B01F 35/1453 (2022.01 - EP ES); **B08B 9/0813** (2013.01 - EP ES); **B08B 9/0936** (2013.01 - EP ES)

Citation (search report)
• [A] EP 0608191 A1 19940727 - BINGLER ALBERT [FR]
• [A] DE 3114307 A1 19821028 - KAERCHER GMBH & CO ALFRED [DE]
• [A] US 4246041 A 19810120 - LILLO JEAN-PIERRE
• [A] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 11 29 November 1996 (1996-11-29)

Cited by
CN113198379A; CN111605076A; GB2428389A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1364700 A2 20031126; **EP 1364700 A3 20050713**; **EP 1364700 B1 20061004**; AT E341390 T1 20061015; DE 60308747 D1 20061116; ES 2223224 A1 20050216; ES 2223224 B1 20060516

DOCDB simple family (application)
EP 03380116 A 20030513; AT 03380116 T 20030513; DE 60308747 T 20030513; ES 200201191 A 20020524