

Title (en)

Kneader-mixer, in particular for mastic asphalt

Title (de)

Mischkneiter, insbesondere für Gussasphalt

Title (fr)

Pétrin de malaxage, notamment pour asphaltes coulés

Publication

EP 0759486 A1 19970226 (FR)

Application

EP 96400330 A 19960216

Priority

FR 9509924 A 19950818

Abstract (en)

The mixer comprises a stationary housing which has a cylindrical or semi-cylindrical wall (4) and flat ends (2,3) and which encloses a straight fixed blade (12) extending lengthwise about one third radially outwards from the housing axis (5) and two generally helical blades (13,14) rotating close to the cylindrical wall. Bearings on the housing ends hold blade (12) stationary and allow blades (13,14) to be rotated by an external drive. Each blade (13,14) is supported by radial arms (16,17) at its two ends, the arms (16,17) subtending 120 degrees between them. The helical blades (13,14) are located symmetrically about an axis (5) and about the mid-point (15) of the housing.

Abstract (fr)

L'invention concerne un pétrin de malaxage, notamment pour asphaltes coulés. Un tel pétrin comprend une cuve chauffée 1, entièrement ou semi-cylindrique, contenant une barre fixe 12 généralement rectiligne, disposée au voisinage du tiers du rayon de la cuve, et deux barres tournantes 13, 14 généralement hélicoïdales, disposées symétriquement par rapport au centre 15 de la cuve et à proximité de sa paroi cylindrique 4 et montées entre deux bras radiaux 16, 17 proches des parois terminales 2, 3 et faisant entre eux un angle d'environ 120°, les barres hélicoïdales et les bras radiaux portant des racleurs 34, 36. Utilisation notamment dans le domaine des asphaltes coulés. <IMAGE>

IPC 1-7

E01C 19/10; **B01F 15/00**

IPC 8 full level

B01F 15/00 (2006.01); **E01C 19/10** (2006.01)

CPC (source: EP US)

B01F 35/55 (2022.01 - EP US); **E01C 19/104** (2013.01 - EP)

Citation (search report)

- [A] FR 2710551 A1 19950407 - LOISELET MICHEL [FR]
- [A] GB 803363 A 19581022 - MUNICIPAL APPLIANCES COMPANY L
- [A] DE 3114883 A1 19821111 - BECK HERMANN [DE]
- [A] DE 1409015 A1 19681114 - ENDRESS AG AUTOGEN

Cited by

CN113214662A; WO2007035982A1

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