

Title (en)
TILTING VESSEL FOR THE TREATMENT OF CAST IRON MELTS

Publication
EP 0058999 B1 19850821 (DE)

Application
EP 82200084 A 19820126

Priority
DE 3105200 A 19810213

Abstract (en)
[origin: US4396427A] A method of and a ladle for the treatment of a cast iron melt with a substance capable of inducing the formation of spheroidal graphite utilizes an elongated generally cylindrical vessel lined with a refractory and formed at opposite ends with cylinder bottoms. The vessel can be tilted between a horizontal and upright orientation and angularly displaced about a longitudinal axis at least in its horizontal orientation. A partition in the vessel adjacent one of the cylinder bottoms defines a chamber at one end of the vessel opening within the vessel toward the opposite end thereof and disposed at an upper portion of the vessel in its horizontal orientation. A closable opening at the other end of the vessel enables a cast iron charge to be introduced into the vessel in the horizontal orientation thereof. The vessel is then tilted upwardly to effect the reaction and swung back to its horizontal orientation for deslagging before the charge is tapped by angular displacement about the longitudinal axis.

IPC 1-7
C21C 1/10

IPC 8 full level
C21C 1/10 (2006.01)

CPC (source: EP US)
C21C 1/10 (2013.01 - EP US)

Cited by
EP0178593A3; US4684109A; GB2185096A; FR2592325A1; GB2185096B; DE102016007724A1

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EP 82200084 A 19820126; AT 82200084 T 19820126; CA 396193 A 19820212; DE 3105200 A 19810213; DE 3265490 T 19820126; ES 274387 U 19820211; ES 519138 A 19830120; US 34705082 A 19820208