

Title (en)
Crystalliser for the continuous casting of thin slabs

Title (de)
Kokille zum Stanggiessen von dünnen Brammen

Title (fr)
Lingotière pour la coulée continue de brames minces

Publication
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Application
EP 98101945 A 19980205

Priority
IT UD970184 A 19971014

Abstract (en)
Crystalliser (10) for the continuous casting of thin and medium slabs with a thickness of between 30 and 150 mm, the crystalliser (10) including wide walls (15), movable narrow sides (13) to adjust the width of the slab and a through casting chamber (11) extending for the length of the crystalliser (10), there being included containing means (24) and transverse rollers (18) immediately downstream of the ingot mold (10), the liquid metal defining a meniscus (20), the casting chamber (11) being defined by an enlargement, substantially central, achieved on at least one wide wall (15), by a curved segment (23) connecting at the sides with substantially straight segments (123), the curved segment (23a) at the inlet (16) being defined by a width "L" taken on the axis (x) of at least 500 mm, with a value of the lateral half-enlargement "A" taken on the axis (y) of between 30 and 90 mm, the casting chamber (11) decreasing lengthwise along the axis (z) of the crystalliser (10) and including at the outlet another substantially central enlargement with a value "B" of between 1 and 15 mm and defined by a curved segment (23b) connected at the sides to substantially straight segments, the curved segment (23a) which constitutes the substantially central enlargement of the casting chamber (11) being defined, at least around the nominal value of the meniscus (20), by a curve with a sinusoidal development. <IMAGE>

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IPC 8 full level
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B22D 11/0408 (2013.01)

Citation (search report)
• [YD] US 5460220 A 19951024 - COASSIN GIOVANNI [IT]
• [Y] DE 4006842 A1 19910912 - SCHLOEMANN SIEMAG AG [DE]
• [AD] WO 8912516 A1 19891228 - DAVY DISTINGTON LTD [GB]

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