

Title (en)  
METHOD OF STIRRING DURING CONTINUOUS CASTING

Publication  
**EP 0028761 B1 19850220 (DE)**

Application  
**EP 80106596 A 19801027**

Priority  
SE 7909163 A 19791106

Abstract (en)  
[origin: EP0028761A1] 1. Method for stirring the non-solidified portions of a cast strand extruding from a continuous casting machine, the strand is being formed in a mould (4) and the stirring being performed asymmetrically by an electromagnetic stirrer, characterized in that the stirring is performed by at least one first and at least one second stirrer, whereby said first stirrer (1) works asymmetrically by being supplied either by two phases having a mutual phase displacement differing from 90 degrees, or by three phases having a mutual phase displacement differing from 120 degrees, while the second stirrer (2) works with the same number of phases as the first stirrer but either symmetrically or with a different type of asymmetry than said first stirrer, for example with a current in one phase deviating at least 10 percent from the current in one of the other phases, or with correspondingly asymmetrically constructed phase coils.

IPC 1-7  
**B22D 11/10**; **B22D 11/12**

IPC 8 full level  
**B01F 13/08** (2006.01); **B22D 11/10** (2006.01); **B22D 11/115** (2006.01); **B22D 11/12** (2006.01); **B22D 27/02** (2006.01)

CPC (source: EP SE)  
**B22D 11/122** (2013.01 - EP SE)

Citation (examination)  
• EP 0008376 A1 19800305 - CONCAST HOLDING AG [CH]  
• EP 0009803 A1 19800416 - CONCAST AG [CH]  
• DE 2810876 A1 19780921 - ARBED  
• DE 2803503 A1 19780810 - ASEA AB

Cited by  
US4699205A; FR2578767A1; US4909306A; IT202100012824A1; GB2184674A; US4867786A; EP2268431A4; EP0317789A1; US4852635A; AT518460A1; AT518460B1

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DE FR GB

DOCDB simple family (publication)  
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**EP 80106596 A 19801027**; DE 3070220 T 19801027; JP 15511480 A 19801104; SE 7909163 A 19791106