





# EUROPEAN PATENT APPLICATION

 Application number: **86116468.9**

 Int. Cl.<sup>3</sup>: **H 05 B 7/06**  
**F 27 D 1/06, F 27 D 11/08**

 Date of filing: **27.11.86**

 Priority: **02.12.85 SE 8505660**

 Applicant: **ASEA AB**


 Date of publication of application:  
**16.06.87 Bulletin 87/25**


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 Date of deferred publication of search report: **08.06.88**


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 Designated Contracting States:  
**DE FR GB IT**

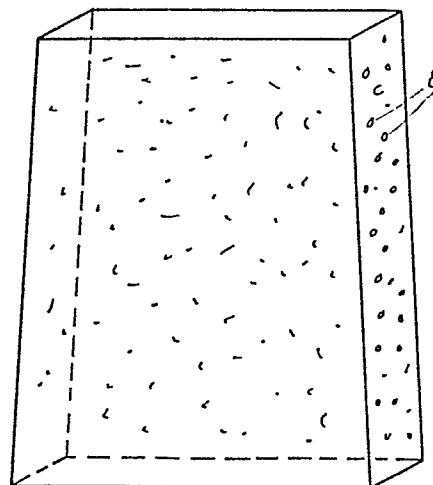
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 **Brick for a bottom electrode, a rear lining or a hearth connection.**

 Brick for a bottom electrode, a rear lining or a hearth connection for a d.c. arc furnace. According to the invention the brick consist of a porous material which has been impregnated by means of immersion into and/or spraying with an organic fluid, such as pitch, tar or a suspension of graphite, soot or the like, or synthetic resin, whereafter the brick has been coked, for example at a temperature of 350°C, thus creating electric current carrying paths containing coal which paths render the brick electrically conductive.

*FIG.3*





| DOCUMENTS CONSIDERED TO BE RELEVANT   |  |  | EP 86116468.9                                  |
|---|--|--|--|
| Category  | Citation of document with indication, where appropriate, of relevant passages                            | Relevant to claim  | CLASSIFICATION OF THE APPLICATION (Int. Cl. 4) |
| A   | US - A - 4 541 099 (RAPPINGER)<br>* Abstract; column 2, line 16 - column 3, line 28; fig. 1,2 *<br>----- | 1  | H 05 B 7/06<br>F 27 D 1/06<br>F 27 D 11/08     |
|   |  |  | TECHNICAL FIELDS SEARCHED (Int. Cl. 4)         |
|   |  |  | F 27 D 1/00<br>F 27 D 11/00<br>H 05 B 7/00     |
| The present search report has been drawn up for all claims  |  |  |  |
| Place of search<br>VIENNA   |  | Date of completion of the search<br>29-03-1988   | Examiner<br>TSILIDIS                           |
| CATEGORY OF CITED DOCUMENTS   |  |  |  |
| X : particularly relevant if taken alone<br>Y : particularly relevant if combined with another document of the same category<br>A : technological background<br>O : non-written disclosure<br>P : intermediate document |  | T : theory or principle underlying the invention<br>E : earlier patent document, but published on, or after the filing date<br>D : document cited in the application<br>L : document cited for other reasons<br>& : member of the same patent family, corresponding document |  |