

**SUPPLEMENTARY
EUROPEAN SEARCH REPORT**

Application Number
EP 16 78 2783

| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
|---|--|---|--|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (IPC) |
| A | EP 2 594 658 A1 (JP STEEL PLANTECH CO [JP]) 22 May 2013 (2013-05-22) * paragraphs [0012] - [0013], [0021], [0022], [0029] - [0036]; figures 1-4 * | 1-7 | INV. C23C2/20 C23C2/40 C23C2/00 |
| A | JP H06 116698 A (SUMITOMO METAL IND) 26 April 1994 (1994-04-26) * the whole document * | 1-7 | |
| A | JP H09 195023 A (SUMITOMO METAL IND) 29 July 1997 (1997-07-29) * the whole document * | 1-7 | |
| A | JP H06 172955 A (SUMITOMO METAL IND) 21 June 1994 (1994-06-21) * the whole document * | 1-7 | |
| | | | TECHNICAL FIELDS SEARCHED (IPC) |
| | | | C23C |
| The supplementary search report has been based on the last set of claims valid and available at the start of the search. | | | |
| Place of search Munich | | Date of completion of the search 16 February 2018 | Examiner Tsipouridis, P |
| <p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p> | | | |

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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16-02-2018

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|--|----|------------------|-------------------------|------------------|
| EP 2594658 | A1 | 22-05-2013 | CN 102985580 A | 20-03-2013 |
| | | | EP 2594658 A1 | 22-05-2013 |
| | | | JP 5812581 B2 | 17-11-2015 |
| | | | JP 2012021183 A | 02-02-2012 |
| | | | KR 20130038364 A | 17-04-2013 |
| | | | TW 201221691 A | 01-06-2012 |
| | | | WO 2012008400 A1 | 19-01-2012 |
| ----- | | | | |
| JP H06116698 | A | 26-04-1994 | NONE | |
| ----- | | | | |
| JP H09195023 | A | 29-07-1997 | NONE | |
| ----- | | | | |
| JP H06172955 | A | 21-06-1994 | NONE | |
| ----- | | | | |