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(54) **BASE STATION, TERMINAL, BAND ALLOCATION METHOD, AND DOWNLINK DATA
COMMUNICATION METHOD**

BASISSTATION, ENDGERÄT, BANDZUWEISUNGSVERFAHREN UND
ABWÄRTSVERBINDUNGS-DATENÜBERMITTLUNGSVERFAHREN

STATION DE BASE, TERMINAL, PROCÉDÉ D'ATTRIBUTION DE BANDES DE FRÉQUENCE ET
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(56) References cited:
EP-A1- 1 892 864 WO-A1-2007/083567
WO-A1-2007/148612 WO-A1-2009/119834
JP-A- 2006 304 312 JP-A- 2007 194 868

- **"Proposals for LTE-Advanced Technologies",
3GPP DRAFT; R1-082575 LTE-ADVANCED
TECHNOLOGIES, 3RD GENERATION
PARTNERSHIP PROJECT (3GPP), MOBILE
COMPETENCE CENTRE ; 650, ROUTE DES
LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS
CEDEX ; FRANCE, vol. RAN WG1, no. Warsaw,
Poland; 20080630 - 20080704, 25 June 2008
(2008-06-25), XP050596854, [retrieved on
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- "Physical Channel Concept for Scalable Bandwidth in Evolved UTRA Downlink", 3GPP TSG-RAN WG1 MEETING AD HOC LTE, XX, XX, vol. R1-050592, 20 June 2005 (2005-06-20), pages 1-14, XP003002746,