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|  | *(3)* |

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|  | (5) |

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|  | (6) |

Where

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| . | (8) |

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|  | (9) |

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|  | (10) |

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|  | (11) |

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|  | (13) |

represents k-it initial cluster centre obtained by KHDI

|  |  |
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|  | (15) |

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|  | (17) |

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|  | (18) |

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|  | (19) |